QUARTER CENTURY WIRELESS ASSOCIATION, INC.

QCWA Journal

Quarter Century Wireless Association - Founded in 1947

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The Searsburg, Vermont Wind Turbine Station. Photo by Charles Walbridge, K1IGD

Quarter Century Wireless Association
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Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

- **QCWA Gold Certificates** celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

- **Gold Certificates** are issued in five-year increments; 55, 60, 65, and 70-year certificates free of charge to eligible members. Special awards are issued for 75 years and higher.

- **Fifty-Year Continuous Licensing Gold Certificate** available to eligible members. Requires submission of proof of continuous licensing. There is a $5.00 fee for this certificate. Applications are available from QCWA Headquarters.

- **QCWA Century Club Certificate** is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

- **Meritorious Award Certificate** is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

OPERATING AWARDS

The Activities Manager issues QCWA Operating Award Certificates to QCWA members. Proof of eligibility is required.

- **QCWA Worked 50 States Awards** are issued to QCWA members who have contacted members in each state of the union.

- **QCWA Worked 100 Members Awards** are issued to QCWA members who have contacted at least 100 QCWA members.

- **QCWA Worked 60 Chapters Awards** are issued to QCWA members who have contacted members of 60 chapters.

- **QCWA Worked 500 Members Awards** are issued to QCWA members who have contacted 500 QCWA members.

OTHER MEMBER SUPPLIES

- **Lapel Pins without year tags.** Tie tack, safety pin or screw type pins (no year) -$10.00
- **Lapel Pins with year tags (tie tack only).** Specify year: 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75 or 80 -$15.00
- **QCWA Life Member pin:** $5
- **QCWA Embroidered emblem:** $5.00
- **450 QCWA Red Stamps (regular):** $4.00
- **450 QCWA Gold Stamps (life):** $3.00
- **400 QCWA Yellow Stamps (50 Year):** $3.00
- **QCWA Cap with logo:** $15.00
- **QCWA Chapter Banner:** (currently not available)
- **QCWA Decals:** $1.00
- **QCWA QSL Cards** — (see ad elsewhere)
- **QCWA Member Badges** — (see ad elsewhere)
- **QCWA Golf Shirts**— (see ad elsewhere)

Please send your order to: QCWA Headquarters, P.O. Box 3247, Framingham, MA 01705-3247
Phone (inquiries only, no orders via phone): (508) 405-1930, FAX: (508) 405-1965
We accept orders charged to credit cards.

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QCWA Journal

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This month's cover: A partial view of the eleven 550-kilowatt wind turbines that are located in Searsburg, VT. The facility provides 6-megawatts of power, enough to provide emission-free electricity for over 2000 average Vermont households. The facility is owned by Green Mountain Power and went on line in July, 1997. See the article on page 41, written by QCWA member Walt Congdon, W1ZPB. Walt serves as a docent conducting tours for open houses and school visits. This month's cover photo was taken by our own General Manager, Chuck Walbridge K1IGD.

DISCLAIMER: Opinions expressed by the authors of articles contributed to the Journal do not represent the official position of the Officers or Directors of the Quarter Century Wireless Association, Inc.

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Earl R. Thomas, W2MM (SK)
1965 - 1968

Clarence Seid, W2KW (SK)
1969 - 1971

Barry Goldwater, K7UGA (SK)
1972 - 1973

Frank A. Gunther, W2ALS (SK)
1974 - 1977

Harry S. Gartsman, W6ATC
1978 - 1981

Stuart Meyer, W2GHK (SK)
1982 - 1985

Leland Smith, W5KL (SK)
1986 - 1989

Harry Dannals, W2HD
1989 - 1994

Lew McCoy, W1ICP (SK)
1994 - 1996

John Kelleher, W4ZC (SK)
1996 - 1998

Gary R. Harrison, KØBC
1998 - 2002

Croft Taylor, VE3CT
2002 - 2004

Executive Secretary/ General Manager

Ralph Barber, W2ZM (SK)
1955 - 1964

Gus Gironda, W2JE (SK)
1965 - 1973

Ethel Smith, K4LMB (SK)
1974 - 1976

Ted Heithecker, W5EJ (SK)
1976 - 1991

Jim Walsh, W7LVN (SK)
1991 - 2003

The QCWA Journal
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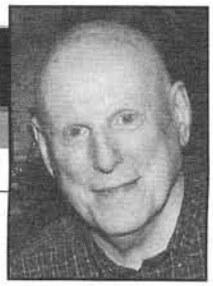
From the **President**

John Johnston, W3BE



Greetings members! Now is the time to make your Chapter plans for the New Year 2006.

Your Chapter will enjoy better programs when you have such a plan around which you can obtain interesting speakers and arrange for field trips. Take digital photographs of each event and send in the best one, along with 300 or so words of text, for your Chapter Reports in our QCWA JOURNAL. They go to our GM Chuck Walbridge, K1IGD, qcwagm@rcn.com.

Your first gathering will probably be your official Annual Meeting. Next, there are some important dates to avoid: Blackout September 21 to 28. That's when you will be in Calgary, Alberta, Canada, for our QCWA Convention, hosted by our Wild Rose Chapter #162. The great Dayton Hamvention will be held on May 20, 21 and 22. We want to greet all of you there at our QCWA booth and at our Friday QCWA dinner hosted by our Southwest Ohio Chapter #9.

Add to your schedule the flying of our banner at your local hamfests. Many hamfest sponsors will provide a table gratis for a QCWA Chapter. This makes a fine rallying point for our members and prospective members. It is our best opportunity to explain to our amateur service community just what our Association is all about. You can invite those first licensed anytime before 1982 to become a part of it. Explain to them that our QCWA is a celebration by their fellow hams who understand their valuable contribution to our fabulous hobby. QCWA is a lot of fun and we do good work. Let them know that they will become friends with interesting hams who understand and appreciate what amateur radio has accomplished.

Be sure to inform our Webmaster of your meeting schedule and locations. The listing of our Chapters' events is invaluable while planning a trip. It makes it possible to work into your itinerary a visit to as many of our Chapters as possible. Visiting with friends and making new ones can be the highlight of your next journey.

SECTION 97.1 ALL STARS FOR 2005

It is also time to call for your Chapter's nominations for our QCWA Section 97.1 "Presidential Honors Awards" for 2005. Five of these awards will be selected by April 1, 2006, and will be announced in our Summer 2006 QCWA JOURNAL. For your nominee to be considered, please submit, before March 15 2006, your nomination to Director Harold Chase, W1EES. He is the Chairman of our Chapter Relations Standing Committee that is administering this program.

On January 31, 1951, our Federal Communications Commission placed into our operating rules a statement of the type of amateur radio service it expects us to provide in return for being allowed to make use of some highly valuable radio spectrum. This statement of basis and purpose did not come from any international body. It applies only to the places where the FCC regulates the amateur service. The statement survives today in Section 97.1 of our rules. It is important that we pause annually to reflect upon just whom it is among our fellow members that we admire as our role models in helping to fulfill each of these five principles during the previous year.
They are our "Section 97.1 All-Stars". We are indebted to them for what they are doing and for reminding us of our wonderful privileges in making use of an increasingly valuable public resource.

Chapters: Here is the call for your nominations.
Include with the name and call sign of your nominee, the specific award for which you are making your nomination and a statement of your reasons for making your nomination. There are five Presidential Honor Awards to be presented. They are:

1. Section 97.1(a): For service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

2. Section 97.1(b): For continuing and extending the amateur operator's proven ability to contribute to the advancement of the radio art.

3. Section 97.1(c): For advancing skills in both the communication and technical phases of the radio arts.

4. Section 97.1(d): For expanding the existing reservoir within our amateur service of trained operators, technicians and electronic experts.

5. Section 97.1(e): For continuing and extending the amateur operator's unique ability to enhance international goodwill.

Here's your opportunity to recognize a deserving QCWA member in your Chapter for helping make amateur radio the greatest hobby in the World. It is our way of thanking them for helping prove that it is truly in the public interest to allow persons interested in radio technology solely with a personal aim and without

(continued on next page)

The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at P.O. Box 3247, Framingham, MA 01705-3247 U.S.A. Telephone: 508-405-1930 FAX: 508-405-1965

pecuniary interest to make use of highly valuable electromagnetic spectrum for carrying out self-training, intercommunication and technical investigations.

RECENT VISITS

Recent visits with our Chapters include Colonial Chapter #166 Parkesburg, PA – Great picnic! Also, our QCWA banner was flying proudly at the Howard County Hamfest (MD), and the FAR Hamfest Gaithersburg, MD). At the Huntsville (AL) Hamfest, it was a pleasure to meet with Bill Pasternak, WA6ITF and congratulate him on his induction into our QCWA Hall of Fame.

Here's to another great QCWA year!

W3BE

Bill Pasternak, WA6ITF, receives congratulations on his recent induction into our QCWA Hall of Fame.

Colonial Chapter #166 (L to R) Back row: W3FEY, W3BE, and W3TTN; Front row: K3WAC and W3ADA.

GENERAL MANAGER'S Report

Chuck Walbridge, K1IGD

WINTER 2005

Potpourri is defined as a" miscellaneous mixture of things". That defines this issue's GM Report – a number of items and questions that have come up during the past year. Here goes!

CHAPTER REPORTS: The best way to submit a chapter report is by an attachment to an e-mail message to Headquarters. Preferred formats are rtf (rich text format) or text. Both formats make it easy for the Editor and me to review and place the reports in the Journal. In the file name, include your chapter number. When a number of chapter reports are received as "chapter report", it makes it impossible to know the source of the report. Please include a name at the bottom of the report for the same reason. Photos should be identified by chapter number as well as by "photo 1", "photo 2", etc. Please limit the number of photos – we try to give space to all submissions and numerous photos from one chapter can overload the page count. Typed copies are acceptable – they are scanned with a character recognition program with the final copy checked against the typed copy. Those programs are great but not infallible! Digital photos are preferred. Please send them with the highest resolution available. Photos that look good on your monitor at 75dpi appear very soft and out of focus when printed. A resolution of 300dpi is ideal (*Ed. Note: when taking digital photos use the highest resolution on your digital camera*). Don't try to resize the photo to fit our page layout size. Let the Editor do any necessary size adjustments. Photo prints are acceptable – they are scanned to generate a digital file for use in the Journal. Deadlines are: January 1 for the Spring issue; April 1 for the Summer issue; July 1 for the Fall issue; and October 1 for the Winter issue. Chapter Secretaries are the unsung heroes who so diligently keep Chapter records. Communication with National Headquarters is greatly appreciated. I send my personal thanks to all of you for a job well done!

KUDOS: QCWA's gratitude extends to Larry McCalvy, WA9JMO, (Chapter 162, WI), for his effort and enthusiasm in coordinating the Alaskan Cruise. All comments received at Headquarters were filled with excitement over the beautiful scenery and the fellowship enjoyed by everyone. Thank you, Larry!!

DUES NOTICES: Because we are a non-profit organization, postal regulations permit us to mail only "dues notices", usually every three months. Cash flow is very important to an organization such as ours. Please renew your dues when your notice arrives. If you have not renewed, paying the current dues for one, two or three years, can reinstate your membership. Life membership is another option and can save money and renewal concerns in the future.

EXPIRATION DATE: Every Journal and dues notice mailing label contains a top line that indicates your membership expiration date. The format is: "MM/DD/YYYY". Life members (who don't receive dues notices) will have an "L" in that first line. Your home chapter is listed as well as your member number and year first licensed.

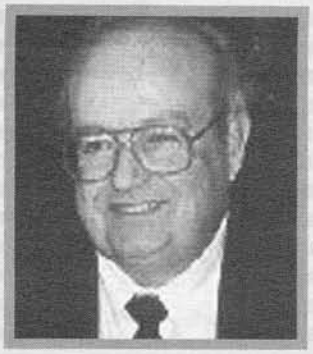
MAILING ISSUES: Each time a Journal is returned to the office by the Post Office, QCWA pays $0.70. The notices from the PO fall into four categories – address change; undeliverable as addressed; temporarily away; or deceased. If you are a member who relocates on a seasonable basis, please let us know as soon as possible. For those who are temporarily away, there is nothing the office can do. Those that can't be delivered as addressed, present the most perplexing problem. In those cases, the address in the database is checked against the PO Internet files as well as QRZ and FCC databases. In most every case, the address in our files agree. The problem appears to be one at the local delivery PO, over which we have no control. Members are contacted and when possible, alternate addresses are used. Those deceased are placed in the "DEAD" database file.

Your Headquarters Office Staff sends Best Wishes for the upcoming Holiday Season and we wish you a prosperous and healthy 2006!

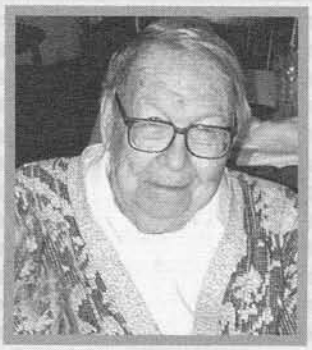
73, Chuck, K1IGD

2006 will mark the 50th QCWA Spring QSO Party. The dates will be April 1 & 2. The Party will start at 1800 Z for a period of 24 hours. Additional details will be in the Spring issue of the Journal.

2005 QCWA Service Awards



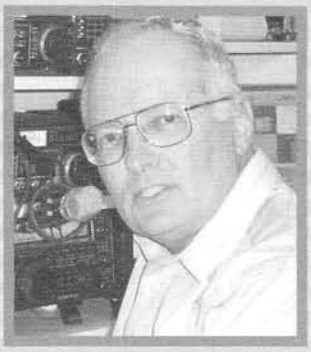
QCWA awards to ***Gary Harrison, KOBC Member of the Year Award*** *for his dedicated service as Chairman of the 2006 Nomination Committee and his many years of service to the QCWA.*



QCWA awards to ***George Hart, W1NJM The Distinguished Service Award*** *for his series of articles in our QCWA Journal chronicling his many years of dedicated service to Amateur Radio.*

QCWA presents to ***Beverley Stoner, K8ZJU The Roll of Honor Award*** *in recognition of her effort on behalf of QCWA chapters in Michigan and Amateur Radio in general through her actions as Volunteer Examiner and instructor.*

QCWA awards to ***Croft Taylor, VE3CT The John DiBlasi Award*** *for his many years of dedicated service to the preservation and improvements of The Quarter Century Wireless Association, Inc.*



QCWA presents to ***Roger Volk, KOGOB The Hall of Fame Award*** *for his exceptional contribution to the design and implementation of a high-speed, 50 MHz packet network to support the State of Missouri's State Emergency Management Agency communication's capability.*

The Foundation for Amateur Radio, Inc.

QCWA Scholarship Winners

QCWA Named Scholarships - $1500.00 each

Ralph Hasslinger (W2CVF) Charter Member Scholarship
Stephen Sciarini, KC8IDJ — Dover, OH

Donald & Phyllis Doughty Family Scholarship
Nathaniel Frissell, W2NAF — Bloomfield, NJ

Jacobson-Kelleher Memorial Scholarship
Daniel Friedrichs, K0IPG — Le Mars, IA

QCWA Named Memorial Scholarships - $1000.00 each

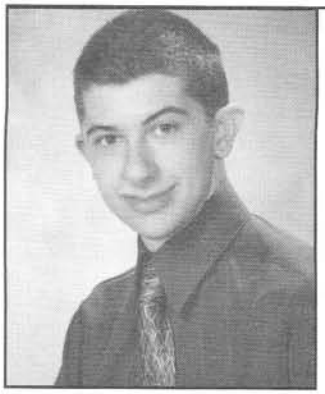
Travis Baird (W9QVD) Memorial Scholarship
Zachary Wessner, KB3JTR — Williamsport, PA

Leo Meyerson (W0GFQ) Family Living Scholarship
Patrick Weeks, KB9ULT — Racine, WI

Edwin Woodruff (W3SX) Memorial Scholarship
Jonathan Troup, K0DE — Berthoud, CO

QCWA Memorial Scholarships - $1000.00 each

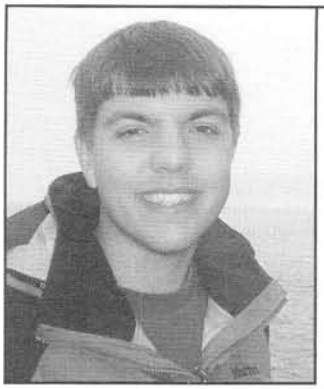
Krista D. Birmingham, KB2MER — Ridgewood, NJ
Pamela L. Toman, KB9SCM — Westmont, IL
Alexander S. Bauer, KC2GFA — Baldwinsville, NY
Matthew J. Dean, KE4UKY — Charlottesville, VA
Michael L. Dean, KE4UKX — Charlottesville, VA
Charles Moore III, KB3LRL — Dillsburg, PA
Karen McDonald-Long, KC9BMH — Appleton, WI
William Bailey, KF4VAU — Johnston City, TN
Chase Wade, KD5WRL — Arlington, TX



Ralph Hasslinger (W2CVF) Charter Member Scholarship

• *Stephen Sciarini, KC8IDJ — Dover, OH*

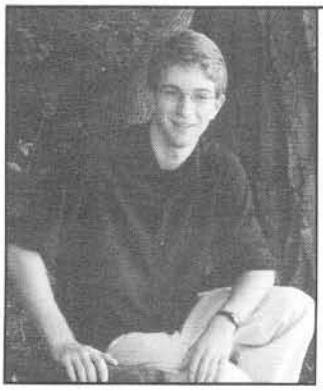
Stephen will be starting his sophomore year at the University of Akron where he is majoring in Electrical Engineering. He holds an Extra Class license, is an active Volunteer Examiner, is a student member of IEEE, and is a member of the ARRL. As a member of the Massillon Amateur Radio Club, he actively participates in Field Day and especially enjoys fox hunts. Additionally, he is employed by The Ohio State University/OARDC where he is a computer programmer and a web designer.



Donald & Phyllis Doughty Family Scholarship

• *Nathaniel Frissell, W2NAF — Bloomfield, NJ*

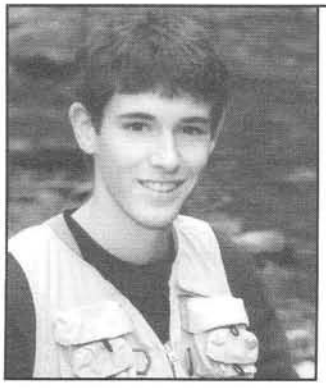
Nathaniel Frissell, W2NAF, became interested in amateur radio about ten years ago through Greg Nitkowski, N2BSA, at a Boy Scout Jamboree on the Air. Since becoming licensed in 1998, Nathaniel has joined many local ham clubs and has helped to provide communications at many public service events. During the summer, Nathaniel serves as the director of the Technology Center at Forestburg Scout Reservation, which houses A.R.S. W2FSR and helps scouts and scouters earn amateur radio licenses every summer. During the school year, Nathaniel teaches amateur radio license classes each semester at his university. Nathaniel is an Eagle Scout, an OA Vigil member, an active member of St. Thomas the Apostle Catholic Church in Bloomfield, NJ, and currently attends Montclair State University as a double major in Physics and Music Education.



Jacobson-Kelleher Memorial Scholarship

• *Daniel Friedrichs, K0IPG — Le Mars, IA*

Dan Friedrichs, K0IPG, has been a licensed amateur for nearly 5 years, and currently holds an extra-class license. He will be a sophomore at South Dakota State University in Brookings, SD, where he is majoring in Electrical Engineering with an emphasis in Communications and Advanced Electronics. Although he has experimented with many of the different facets of amateur radio, most of his time is spent on V/UHF and doing public service work through the Le Mars Amateur Radio Club, Inc, of which he is a member of the Board of Directors. Dan's most recent accomplishment was his organization and successful execution of LARC's communications support for a 20,000-person bicycle ride which started in his hometown of Le Mars, IA. Dan's future plans include attending graduate school and teaching engineering at the university level.

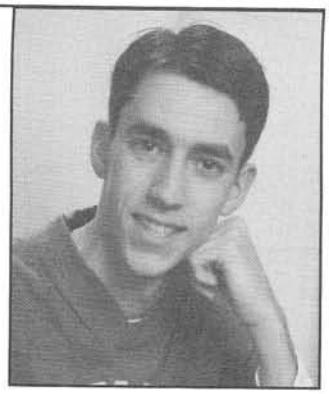


Travis Baird (W9QVD) Memorial Scholarship

• *Zachary Wessner, KB3JTR — Williamsport, PA*

Zachary is a 2005 graduate of Loyalsock Township High School, Williamsport, PA. While attending Loyalsock he participated for six years in the Odyssey of the Mind Program (OM), a creative problem solving competition that encourages students to think outside the box. As an OM State Champion, Zach and his team have competed at the World Finals at the Universities of Colorado, Iowa, Tennessee and Maryland. It was his OM coach, Jack Preston, who first introduced him to amateur radio. Zach became a licensed radio operator in 2002 as did three other team members. Since becoming an amateur radio operator he has attended Hamvention in Dayton, OH, and participated in Field Day 2004. In August, Zachary will be a freshman at Rochester Institute of Technology, Rochester, NY. He will be pursuing a Bachelor's Degree in Mechanical Engineering. Zach plans on joining the RIT Amateur Radio Club.

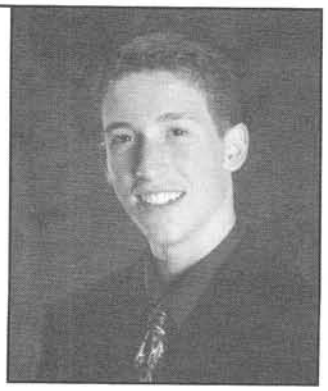
Leo Meyerson (W0GFQ) Family Living Scholarship



• *Patrick Weeks, KB9ULT — Racine, WI*

Patrick Weeks is an 18 year old Extra class ham from Racine, Wisconsin. He was first licensed as a novice at 12 years old. His favorite use of ham radio is the service aspect of the hobby, one event of which he enjoys each year is helping out with communications for a triathlon held in his area. His other activities include Civil War re-enacting and high school debate. He is attending Grove City College in Pennsylvania, and majoring in Business Economics.

Edwin Woodruff (W3SX) Memorial Scholarship



• *Jonathan Troup, K0DE — Berthoud, CO*

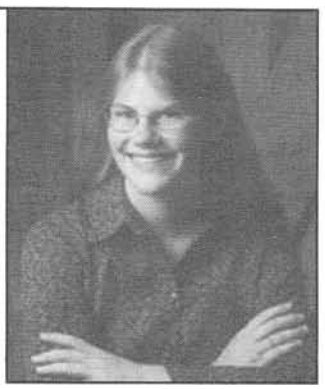
Jonathan is currently attending Colorado State University in Fort Collins, as well as participating in the Honors Program there. He is a freshman double-majoring in Mathematics and Computer Science, with the hope of becoming a college professor in math. Jonathan received his Extra Class license, with the help of BARC's Junior division, at the age of 12. After Jonathan received his Extra, he helped elmer kids at BARC Junior. Jonathan is a member of ARRL, BARC, and a four-generation ham radio family. He greatly enjoys contesting and Morse code.

QCWA Memorial Scholarship

• *Krista Birmingham, KB2MER — Ridgewood, NJ*

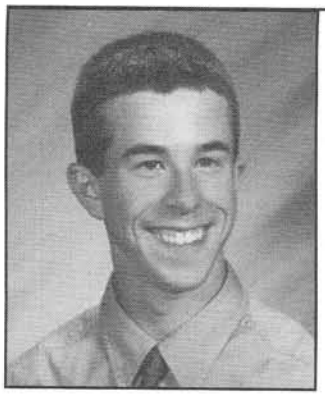
Krista Birmingham is a Music Education and Voice Performance major at Montclair State University. She is also a member of Reverberation, a Pennsylvania based Professional Handbell Choir. Krista has many interests in communication, whether it be through music performance or amateur radio. Krista holds a General class license and has been licensed since she was 8 years old. She is a member of ARRL, YLRL, ECDXA, 10-10 International (#58191), and the 10-70 Repeater Assn. Krista is part of an "All Ham" family consisting of her Father, Silent Key Andy, WB2RQX; sister Holly, KB2ZMM; Uncle, Dale, KF8FM; and Mother, Joyce Birmingham, KA2ANF, Vice President of the 10-70 Repeater Assoc. and ARRL Hudson Division Vice Director. Krista is very thankful to be receiving the QCWA Scholarship.

QCWA Memorial Scholarship



• *Pamela Toman, KB9SCM — Westmont, IL*

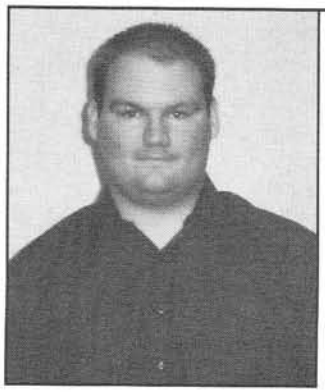
Pamela Toman, KB9SCM, studies Linguistics in Washington, DC, at Georgetown University. She was extremely successful in Westmont, accumulating a myriad of awards related to school. In college, she works on the website of the College Democrats, swing dances, tutors inmates at Arlington County Detention Facility, and studies Arabic. Pam is a member of YLRL, the ARRL, and several local amateur radio clubs, and before moving away to college, she helped to edit a local ham newsletter. Pam participates in Field Day every year; this year she and her family decided for the first time to operate with a local club instead of on their own. Pam is also an avid foxhunter.



QCWA Memorial Scholarship

• *Alexander S. Bauer, KC2GFA— Baldwinsville, NY*

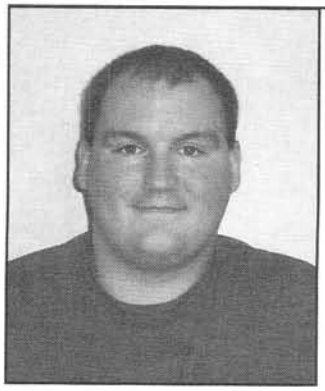
Alexander obtained his Novice license and call sign KC2GFA in April 2000. He is a member of the ARRL, ARES and the Radio Amateurs of Greater Syracuse. Alex graduated from Baldwinsville's Baker High School and is currently a sophomore at Clarkson University in the field of Environmental Engineering. He enjoys being a camp counselor during the summer, where he organizes activities for children from 5 to 14 years old. This year he was an assistant coach for girls youth softball, and was a pitcher for the Baldwinsville Big League boys baseball team. Alexander also volunteers as an umpire for both baseball and softball. As a Church Acolyte he helps with church services and many community volunteer activities. He has had several poems published in Teen Works magazine for students in Onondaga County. Thank you to QCWA and Jim Mozley, W2BCH for the honor of receiving a QCWA scholarship.



QCWA Memorial Scholarship

• *Matthew J. Dean, KE4UKY— Charlottesville, VA*

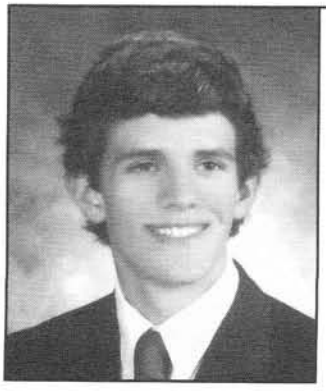
Matthew started in Ham Radio when he was ten, earning his Novice license, then quickly moving on to pass the Technician class. By the time he was thirteen, he had earned an Extra class license. Matthew spent a lot of time on 40 and 20 meter CW and found DXing to be one of his favorite activities in Amateur Radio. Operating at Field Day and contacting special event stations are also favorite activities of his. He is a senior at the University of Virginia's College at Wise, where he is double majoring in accounting and business administration. Matthew be graduating in the fall semester of 2006. After school, he plans to sit for the CPA exam and work in public accounting.



QCWA Memorial Scholarship

• *Michael L. Dean, KE4UKX— Charlottesville, VA*

Michael began his Ham Radio career with a novice class license in 1995, when he was ten years old. He worked his way through the license classes until he earned his Extra class license in 1998. Some of his favorite activities as a Ham include contesting and "DXing." Michael participates in Field Day nearly every year. November Sweepstakes was also a favorite contest of his. For contests and "DXing," Michael primarily uses CW on 20 or 40 meters.



QCWA Memorial Scholarship

• *Charles Moore III, KB3LRL— Dillsburg, PA*

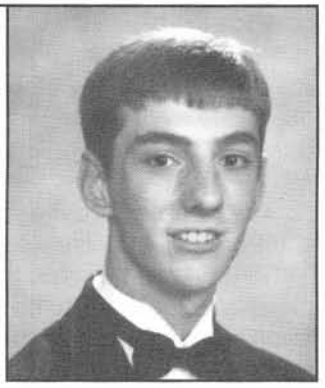
This past summer Charles traveled with several graduates from Trinity High School to Ireland and England. During his high school years, he was a Boy Scout, earned his Eagle Scout by constructing an addition to the playground at his elementary school. He has been a member of the Astronomy Club, Amateur Radio Club, Spanish Club Chess Club, Peers Actively Listening (freshman mentoring), National Honor Society, and Shamrock Ambassadors. Echolink and IRLP are the two things that he really enjoys about amateur radio. They give him a chance to discuss with people their cultures and common interests. He finds that this is a great tool for him and hes learned a lot of things from the people he has contacted. Charles is currently enrolled at the University of Pittsburgh where he will be studying nursing. His goal is to become a nurse anesthetist.

QCWA Memorial Scholarship

• *Karen McDonald-Long, KC9BMH— Appleton, WI*

Karen is currently attending U.W, Fox Valley pursuing an Associates Degree in Liberal Arts and Science. In the spring she will transfer to U.W. Oshkosh to obtain a Bachelors Degree in Business. She received her Amateur radio license, KC9BMH, in April of 2002, shortly after her marriage to Brian Long, KB9LRD. They are both on the Executive board of the Fox Cities Amateur Radio Club. Brian is the currently elected President and Karen is the Treasurer. She loves the camaraderie that Amateur radio provides. As a couple, Brian and Karen attend a lot of community service events doing communications with the radio club. They also have fun competing in some amateur skill events such as Field Day and the Wisconsin QSO Party. Most of all, Karen enjoys getting together with family and friends.

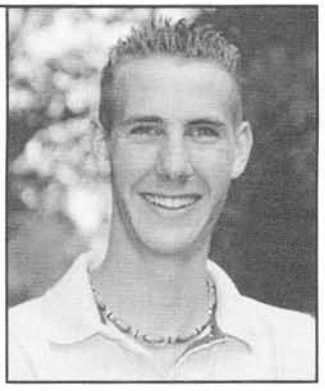
QCWA Memorial Scholarship



• *William Bailey, KF4VAU— Johnson City, TN*

William Samuel (Sam) Bailey, is a fourth-year Biochemistry student at the University of Tennessee. Sam has been active in Ham Radio for 8 years and has worked 38 countries and received the Worked All States (WAS) Award on 6m. He has been active in the Civil Air Patrol where he is a Cadet Lt.Col. and is a former Cadet Squadron Commander. He is a qualified Emergency Services Mission Radio Operator and has participated in Search and Rescue activities for nine years. All members of Sam's immediate family are hams. He spent his Spring 2005 semester abroad, studying in Copenhagen, Denmark. After graduation, he plans to attend medical school. Sam's hobbies include sports, reading, traveling, and of course. Ham Radio.

QCWA Memorial Scholarship



• *Chase Wade, KD5WRL— Arlington, TX*

Chase Wade first became interested in radio operations when his grandfather and grandmother showed him how fun and educational operating a radio could be. His family has several Amateur Radio Operators. They include his Grandfather, David Smith, KB5PMX, who is also the President of the Arlington (Texas) Amateur Radio and his Grandmother, Jean Smith, WA7IRD. His great-grandparents were the original radio operators in the family, his great-grandfather, Jerry Longwell SK, W7ABP, and his great-grandmother, Wilberta Mintzer SK, WA7IRD. He is proud to continue the family tradition, along with a couple of uncles, and cousins. Being able to communicate and work with all different types of people are just some of the things he learned through his radio club. While he is attending South Plains College, in Levelland, Texas, he plans to become a youth minister after finishing seminary school.

Editors note: Due to space requirements some of the biographies have been condensed.

Memorial Scholarship Fund

NAME	HONORING	NAME	HONORING
CHAPTER 89	N4BGP	CHAPTER 49	W5SNX
CHAPTER 75	MEMORIAL SCHOLARSHIP FUND	CHAPTER 49	AE4GQ
CHAPTER 63	W5GXM	CHAPTER 63	K5AIR
CHAPTER 21	W8NNS	CHAPTER 21	K8MZT
CHAPTER 6	W3KH	CHAPTER 72	W5CF
CHAPTER 168	QCWA SILENT KEYS		

The Rules Say... Q&A

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

Time to Renew?

Q. My lady friend says that I am out of the mainstream because I do not own a TV and I have never used the internet. How can I know if I am listed on the ULS database and will I be able to renew my license?

A. Ask someone, maybe your lady friend, to look for your grant on the FCC Wireless Telecommunication Bureau (WTB) Universal Licensing System (ULS) database. It took me all of 30-seconds to do so. Your grant expires in 2007. If you are not on-line by then, and you do not want to paper-file, use the service provider from which you will likely be hearing.

Q. I received a solicitation from a renewal service provider. It asked for my social security number. Should I provide it?

A. Yes, if you want to use its services. You probably do not have a FCC registration number (FRN). The service provider must have your SSN in order to obtain an FRN for you.

You can do this yourself with a visit to the ULS Webpage. You can also do it by attaching a completed FCC Form 160 to your paper application, FCC Form 605, and mailing it to the FCC. Request these forms by calling 1-800-418-FORM. Or you can ask your lady friend to obtain copies at www.fcc.gov/formpage.html.

Q. What is a FRN?

A. An FRN is a unique 10-digit number that is assigned to you when you register with the FCC. It is used to identify your business dealings with the FCC. The FRN registration process is administered by the FCC Office of the Managing Director. Once you get your FRN, you must then register your station call sign with the ULS. The WTB requires the FRN for its ULS and its Antenna Structure Registration (ASR).

Q. When should I file for renewal?

A. You can renew within a 90-day window prior to the expiration date of your license grant.

W3BE-O-GRAM: Do not file before 90 days. WTB reports that a large number of renewal applications are dismissed due to being filed too early.

It is a good idea for you to review your license grant information as it currently appears on the ULS database. If it is completely correct, apply for renewal only. If it is not correct, your license grant must have an administrative update.

Q. How do I use the Internet to renew my license?

A. Here is how it went for me. My license grant showed that it was set to expire on September 29, 2005. I could have used one of the renewal service providers; however, I wanted to learn first hand about the on-line filing experience.

March 16 (198 days to expiration) – A notice was received in the postal mail from the League. It offered to file the renewal application for me, a Member (Charter Life member, actually) free of charge.

March 31 (182 days to expiration) – I went on-line at http://www.fcc.gov to register my operator/primary station license. I wanted to get this task out of the way so that I would be ready to tackle the renewal system when the time arrived.

From the FCC homepage, a click on the WIRELESS TELECOMMUNICATIONS button under BUREAUS AND OFFICES brought up a menu from which LICENSING - CORES/CALL SIGN REGISTRATION was selected.

That brought up the direction to click here to register now. The presented page required me to select a 6 to 15 character password. I made up one for which there is some slight chance that I might remember ten years hence. Had I not done so, and left the entry blank, a password would have been generated for me. It is case sensitive.

Because your FRN is public information, the password ensures that only you can gain access and modify your licensee data. Keep it confidential.

May 21 (131 days to expiration) – A notice was received via postal mail from The W5YI VEC, Inc. It offered to file my renewal application for a fee. It required that I provide my Social Security number.

June 11 (110 days to expiration) – A radiogram was received from an interested ham, reminding me that my license would soon expire.

July 6 (85 days to expiration) – With my FRN and pass-

word at hand, I went on line at http://www.fcc.gov. From the main Webpage, a click on the WIRELESS button under BUREAUS AND OFFICES brought up a menu from which ULS was selected, followed by a click on ONLINE FILING.

That took me to the License Manager page where I logged in with my FRN and password. On the next page, my operator/primary station license was listed, correctly. I clicked on Renew License and was taken to that page of the License Manager.

The required information was typed into the appropriate boxes at the bottom of the screen and a click was made on the CONTINUE button.

A confirmation page appeared with a file number. I printed it for my records.

Total time to file: 5 minutes

July 7, 2005 A check on the ULS database showed that my license grant had been renewed. It will next expire on September 29, 2015.

Q. How do we renew our club station license?

A. Section 97.21(a)(3) says that your application to the FCC for renewal of your club station license grant must be made through a Club Station Call Sign Administrator (CSCSA). The CSCSA must submit your information to the FCC in an electronic batch file.

Q. My operator/primary station license grant shows a different expiration date than does the license grant for the club station license for which I am the trustee. Didn't such grants used to expire on the same date?

A. You are correct. Section 97.5(b)(2) says that a club station license grant may be held only by the person who is the license trustee designated by an officer of the club. The trustee must be a person who holds an Amateur Extra, Advanced, General, Technician Plus, or Technician operator license grant. Were your operator/primary station license grant to expire, you would no longer be eligible to hold the club station license grant.

W3BE-O-GRAM: Periodically, the FCC runs a check of its licensee data base to make certain that all club station license trustees hold a current operator/primary station license grant. The club station license grant is cancelled for those whose trustees have failed to renew.

Q. I've recently moved to a different mailing address than that shown on the FCC licensee database. Must I notify the FCC?

A. Yes, and it is very critical for you to do so promptly. Section 97.23 says that your license grant must show your correct name and mailing address. This is serious business. This Section says that revocation of your station license or suspension of your operator license may result when correspondence from the FCC is returned as undeliverable because you failed to provide your correct mailing address.

The mailing address, moreover, must be in an area where the amateur service is regulated by the FCC and where you can receive mail delivery by the United States Postal Service.

Q. How do I notify the FCC of my new address?

A. You use the same processes as described above, except the purpose of your application is "AU" (Administrative update only).

Q. My name is spelled incorrectly as it appears on my license grant information. Should I ask the FCC to correct it?

A. Yes, by all means, have it corrected. You do that by applying for an administrative update to your license grant.

W3BE-O-GRAM: Spotting errors on the database and having them corrected is another one of the great benefits of having it available to us on-line.

Q. I have just received a Pacemaker. The literature that came with it appears to rule out any exposure to electromagnetic emissions. Do you know of any articles or publications regarding hamming by persons with Pacemakers?

A. No, but Ed Hare, W1RFI, ARRL Lab Supervisor, is the expert on this (and a lot of other things.) He reports that each manufacturer sets its own limits, but the ultimate decision is with your physician.

There is general information on pacemakers at: http://www.arrl.org/tis/info/pacemaker.html.

Q. Where can I find the amateur service rules for "portable" and "mobile" operation?

A. Not in our rules for the amateur service, at least. Those outmoded terms are from an era when our regulators' direction-finding capabilities were very primitive by today's standards. Having an office record of exactly where each station was located served as an important enforcement tool.

W3BE-O-GRAM: The availability of belt-clip amateur stations and more precise direction-finding technology apparently has rendered those concepts obsolete.

Q. I spent almost an hour wandering through the maze of the FCC website before completing my quest. Is there a simple way to get into the relevant Ham part?

A. Go to http://www.fcc.gov. On the right side of this page, click on "Wireless Telecommunications." On this page, also on the right side, under Wireless Service, click on "Amateur." You are there!

W3BE-O-GRAM: You will find a lot of information. Use this Internet service information before calling a FCC staff person and having it read to you.

Q. Say that I am in contact with a ham in a country with which the U.S. does not have a third-party traffic agreement. If he should ask me to pass an emergency message from the head of that country to its ambassador here, should I do it?

A. In as much as you would simply be receiving the message - as could anyone having the necessary receiving capability - on frequencies where there is no privacy assured - it would be your choice to make.

Your station's transmission of messages for a third party - not the reception of such - is regulated by Section 97.115. In pertinent part, it says that your station is authorized to transmit such messages to any station within the jurisdiction of any foreign government whose administration has made arrangements with the United States to allow amateur stations to be used for transmitting international communications on behalf of third parties. No station shall transmit messages for a third party to any station within the jurisdiction of any foreign government whose administration has not made such an arrangement.

W3BE-O-GRAM: Don't transmit the ambassador's reply. Were you to do so, you would run afoul of Section 97.115.

Q. What kind of messages may my station transmit for a third party?

A. Section 97.113(a) lists the kinds of transmissions that our amateur stations cannot transmit; otherwise your station can anything but:

(1) Communications specifically prohibited elsewhere in this part;

(2) Communications for hire or for material compensation, direct or indirect, paid or promised, except as otherwise provided in these rules;

(3) Communications in which the station licensee or control operator has a pecuniary interest, including communications on behalf of an employer. Amateur operators may, however, notify other amateur operators of the availability for sale or trade of apparatus normally used in an amateur station, provided that such activity is not conducted on a regular basis;

(4) Music using a phone emission except as specifically provided elsewhere in this section; communications intended to facilitate a criminal act; messages in codes or ciphers intended to obscure the meaning thereof, except as otherwise provided herein; obscene or indecent words or language; or false or deceptive messages, signals or identification;

(5) Communications, on a regular basis, which could reasonably be furnished alternatively through other radio services.

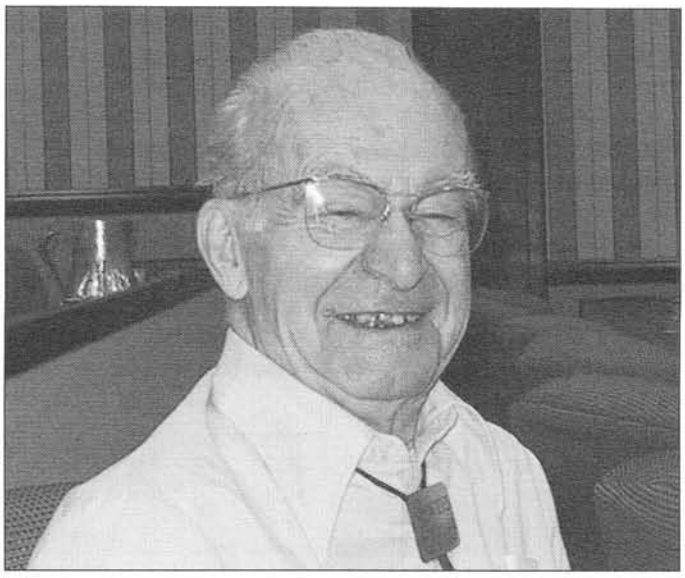
With respect to line item 1, Section 97.115(a)(2) says, in pertinent part, that no station shall transmit messages for a third party to any station within the jurisdiction of any foreign government whose administration has not made such an arrangement. This prohibition does not apply to a message for any third party who is eligible to be a control operator of the station.

HISTORICAL INFORMATION FYI - The Radio Service Bulletins reproduced at http://www.fcc.gov/mb/audio/decdoc/radio_service_bulletins.html offer a snapshot of the state of the radio art during the early years of radio. They were issued monthly by the Bureau of Navigation (and later the Radio Division), Department of Commerce from January 1915 into the 1930s to keep mariners, aviators, radio listeners, and others abreast of developments in the new medium of radio. Radio was used for radiotelegraphy, ship-to-shore and ship-to-ship communications, and increasingly as the 1920s and 1930s advanced, broadcasting.

APPRECIATION

Our TRS Superham-of-the-Month is our Director Harold Chase, W1EES. Harold is the Chair of our Chapter Relations Standing Committee.

Thank you, Harold, for all of the fine work that you have done for amateur radio. You are one of those fascinating people who make this wonderful hobby happen.



Super-ham-of-the-month: Director Harold Chase, W1EES

Send your comments and questions by e-mail to: johnston.john1@worldnet.att.net

QCWA 2005 Alaska Cruise Convention!

A special thanks to: Larry McCalvy, WA9JMO, 2005 Cruise Convention Chair and D.E. "Dee" Logan, W1HEO, for providing these great stories!

QCWA 2005 Alaska Cruise Convention August 21-28

By: Larry McCalvy, WA9JMO, 2005 Cruise Convention Chair

What an awesome adventure! One hundred and ten Hams, family members and friends arrived in Seward, Alaska by bus and rail Sunday afternoon, August 21st and boarded Holland America's Veendam cruise ship – a 720-foot long, 1,266 passenger, 13-decked floating wonderment of total enjoyment. About 35 percent of the group began their outing five days earlier with a trip to Fairbanks and their exploration of Denali Park and all it offered its visitors.

We enhanced the ship's amenities, thanks to ICOM America, who lent us three beautiful State of the Art Transceivers – an IC-7800 (yes, the Grand Daddy of all Radios) and two IC-756 PRO III with matching power supplies and a magnificent 80 through 6 Meter Vertical Comet Antenna (CHA250B) from NCG Company that was simplistic in design and set up and performed better than any vertical I have ever used. On Monday morning the 22nd, everything was set in place, the radios and antenna were positioned and we were ready to communicate with the world. Then, 93 million miles from where we were cruising, a double solar flare eruption on the surface of the Sun, all but eliminated our communication on the Amateur Radio Bands for the next three days. However, Friday, August 26th was good and Saturday, the 27th was great as your fellow Ham cruisers logged about 75 contacts around the world. The radios and antenna were to die for!!

In conjunction with all QCWA Conventions, fellow conventioneers are afforded the opportunity to partake in radio related forums. Our water travelers also enjoyed these opportunities as part of our onboard activities. They were, I felt, well received, well presented and most enjoyable. I again would like to personally thank: Norm Wesler,W2YEW; Dee Logan, W1HEO; Ellen White, W1YL; Chip Margelli, K7JA; Bob Whelan, G3PJT ; and Jim

(continued on page 23)

CHAPTER REPORTS

Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to Chuck Walbridge, General Manager, to ***arrive no later than the following dates: January 1 for Spring, April 1 for Summer, July 1 for Fall and October 1 for Winter.***

Chapter 1, Cleveland (OH)

The 2005 annual awards meeting of Chapter One recognized several members for their outstanding service to Amateur Radio, QCWA, and the community.

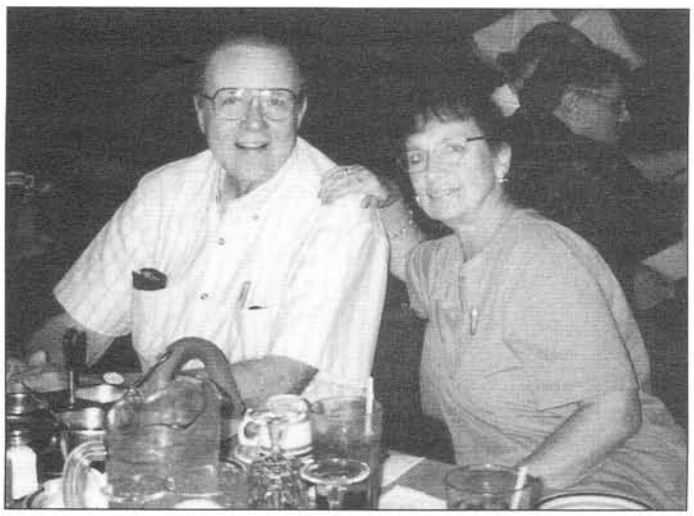
The President's Award went to Jeff Covelli, WA8SAJ; Ham of the Year was Devere "Dee" Logan, W1HEO; the QCWA Meritorious Award was presented to Bernie Hinrichsen, W2NTB; and the new Paul Cornell, W8EFW, Memorial Award was given to James Pracker, K8QOT.

Receiving QCWA Anniversary Award certificates for 50 years were Marvin Grossman, W8AZO; Richard Petscher, W8BNT; and Ray Wassum, W8SLZ. A 55- year certificate went to Richard Scott, W8FDN; a 65- year award to Earl Carter, W4EU; and a 70- year award to Salen Wolf, W8OOJ.

Chapter One volunteer at Cleveland's VA hospital Amateur Radio stations were recently recognized for their service. Wade Park honorees were N8EQT, N8TCN, W8WGO, WA8TPP, N8MZJ, K8TTZ, and WA8LOB (SK). Brecksville volunteers honored were WD8DBQ, W8UYN, W8WNA, and AA8RZ.

The Cleveland Hamfest held September 25 included a QCWA promotional display and chapter information. Staffing the table were President Dick Ingraham, WA8TPP; Jack Goldfarb, W8WGO; John Esborn, K8OCK; Mary Tomazic, N8MZJ; and Al Lada, WA8OZC.

Devere "Dee" Logan, W1HEO, Editor



Meritorious Award-winner of Chapter One Bernie Hinrichsen, W2NTB, and XYL Helga.

Chapter 2, Chicago (IL)

President Jim Quinn, K9JQ, opened the meeting at Noon at Grazie Restaurant in Des Plaines, Ill..

Those in attendance were: Jim and Mary Lou Quinn, K9JQ; Lee and Phyllis Knirko, W9MOL; Corinne Sher, Margaret Kosikowski, Paul Bovaconti, WB9DJD; Julie Johnson, Al and Lillian Mazure, W9LOB; Jack Iverson, K0EWU; Ray Corcoran, W9VU.

Jim Quinn welcomed the members and their guests.

The restaurant served a fantastic array of Brunch items, including juices, salads, meat and potato dishes, fruits, desserts, etc, All agreed that the selections were unsurpassed.

After the meal, entertainment was provided by Arkady Bodner and his Keyboard playing selections from earlier years. He lead much group singing, and a very pleasant time was had by all.

The meeting closed at 2 PM.

Lee Knirko, W9MOL

Lee Knirko, W9mol and Arkady Bodner.

Chapter 10, Michigan (MI)

How time flies when you are having fun! The year of 2005 is fast approaching the "twilight months of the year", and with many of the major holidays now behind us, we, at Chapter 10, have had a very busy and exciting year. Our membership continues to grow and our weekly ssb net, held on 3.903 mhz, every Sunday morning, with a pre-net at 7:30 AM, local time, followed by our regular net at 8:00 AM, local time, continues to grow in the number of participants, both members and non-members alike. Many of our members have been busy recruiting new member prospects, several of whom have joined our ranks. We would like to welcome the following new QCWA members to Chapter 10, and are honored that they have selected us as their "home chapter". Those new members are: Robert C. Kissel, W8KPU, Swartz Creek, MI.; Susan J. Kissel, WB8TTN, Swartz Creek, MI.; Alan W. Scott, W8KIZ, Marne, MI.; and Arnold Newman, W8KZB, Zeeland, MI.. Welcome aboard and we hope that you enjoy many years of good fellowship and fun. It is with the continual commitment of all members to recruit new members for QCWA that this fine organization is able to continue to serve the amateur radio community with the level of service that we all presently enjoy.

(R) Doug Almquist, WB8VOF, "Head Chef" prepares chicken for our annual picnic. Jim Bishop, W8JFB and Dave Cataland, N8KQS cut and serve.

On August 17th, 36 members and guests converged on Kenwood Park, in Cadillac, MI. for our annual picnic. Clear skies, temperatures in the 70's, lots of great food, fellowship and fun was enjoyed by all. A note of recognition is given to Doug Almquist, WB8VOF, and his lovely wife, Maryanne, KC8WKN, for preparing grilled chicken for everyone. Special guests were Mark Derby, K8MHZ, and his daughter, Nicole Austin, KØLEY, from Muskegon, MI. Nicole, at the "ripe old age of 12 years", received her amateur license, with c.w. endorsement, and is anxiously awaiting to get her hf rig on the air so she can work some c.w. Nicole was the recipient of several pieces of amateur gear, donated by Jim Bishop, W8JFB. Included in that gear was a Kenwood transceiver, complete with voice frequency identification, which was donated to a sight-impaired amateur, who is being outfitted with an hf station by the local radio club in Muskegon Michigan. Jim received this gear from the estate of the late Irvin Hershowitz, W3HQG, of Arlington, VA.. Irv was an honorary member of Chapter 10, and had asked Jim to donate his equipment to a worthy cause. I am sure that Irv would be happy to know that his equipment will allow a new 12-year-old amateur to get on the air and another sight-impaired lady to get on the air as well.

Members and guests that were in attendance at our annual picnic were: Stan Summers, W8SKS, and his xyl, Donna, Kalkaska, MI.; Jim Bishop, W8JFB, and his xyl, Stella, St. Ignace, MI.; Dave Cataland, N8KQS, and his xyl, Joyce, Allegn, MI.; Leo Woodard, WD8DCA, and his xyl, Leeanne, Fremont, MI.; Alex Polityka, W8FLA, and his xyl, Naomi, Allegan, MI.; Mark Derby, K8MHZ, and his daughter, Nicole Austin, KØLEY, Muskegon, MI.; Doug Almquist, WB8VOF, and his xyl, Maryanne, KC8WKN, Wellston, MI.; Myriam Gregg, K8ILN, Ionia, MI.; John Goff, W6RTO, and his xyl, Carol, KB7ALL, Bay City, MI.; John Talboys, N8OR, and his xyl, Jean, Boyne City, MI.; Peter Hansen, W8TWA, Gowen, MI.; Grant Pearce, W8GEP, and his xyl, Marlene, Wyoming, MI.; Mike Hall, WB8ICN, and his xyl, Marybeth, Jackson, MI.; Lowell Corbin,

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George Rouman, W8OWN and xyl Helen Enjoying the annual picnic.

Special guest, Nicole Austin, K0LEY, receives good news about her HF station from Jim Bishop, W8JFB.

W8IQB, and his xyl, Robin, NI9R, Bristol, MI.; Rick Mark, WZ8N, and his xyl, Susan, Manistee, MI.; Bob Hansen, K8RWD, and his xyl, Linda, Cadillac, MI.; Beverley Stoner, K8ZJU, Frankfort, MI.; George Rouman, W8OWN, and his xyl, Helen, Big Rapids, MI.; and Wayne Huhta, W8GXB, his xyl, Esther, W6MQE, and their son, Dan.

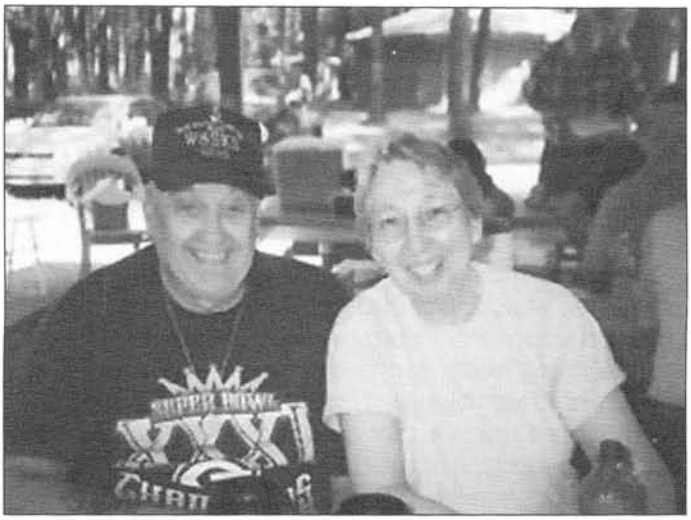
The month of September produced one of our Nation's worst natural disasters in history, Hurricane Katrina, which struck the Gulf Coast region, especially the states of Florida, Mississippi, and Louisiana. Estimated to be the costliest natural disaster in the history of the United States, untold billions of dollars of damage and an unknown number of human lives were lost in this disaster. Amateur radio was called upon to provide essential communications services. Michigan Chapter 10 member, Grant Pearce, W8GEP, volunteered his services, and was dispatched to a nearby suburb of Biloxi, MS, called Poplarville, MS., where he assisted a Red Cross shelter there by providing them with total communications with his equipment. Thank you, Grant, for your efforts during such a devastating emergency.

Grant Pearce, W8GEP and xyl Marlene. Grant provided emergency communications for the Red Cross at Poplarville, MS. in the aftermath of Hurricane Katrina.

The membership of Chapter 10 wishes to congratulate long time member, Beverley Stoner, K8ZJU, of Frankfort, MI., for being awarded the "QCWA Presidential Roll of Honor Award". Details of this most prestigious award and pictures may be found elsewhere in this issue of the Journal in an article by QCWA Headquarters staff. Congratulations Beverley on a job well done. Your lifelong commitment to the advancement of Amateur radio is exemplary to all of us and we are profoundly proud of you and your accomplishments. For many years, Beverley and her late husband, Marion Stoner, W8VWY, (sk), were very active in whatever community they lived in, contributing to local Amateur radio clubs, QCWA, ARRL, and many other organizations. They helped organize several chapters of QCWA, were active in RACES, numerous other radio organizations, and most recently were Volunteer Examiners, which Beverley continues to do to this day. Beverley's daughter, Mary Ann Kane, W8VWY, of Ypsilanti, MI., is also a member of QCWA, Chapter 10.

We wish everyone a happy holiday season, during this quarter, and extend an invitation to others to join us on our weekly ssb net.

Our Annual Meeting will be held on Saturday, May 06, 2006, at the Waterfront Restaurant, in Cadillac, Michigan. The meeting will start at 12:30 PM, with a smorgasbord luncheon, followed by our business meeting, election of officers, and presentation of QCWA service awards for the year. This event will be held in conjunction with the Wexaukee Amateur Radio Club swap and shop, which is held on the same date, at the Cadillac Junior High School, beginning at 8:00 AM, local



Stan Summers, W8SKS and xyl Donna enjoy the festivities.

time. Details will be announced on our net and in the April issue of QST.

The Secretary/Treasurer of Chapter 10 has had occasion to have a large volume of business with the QCWA Headquarters throughout this year, and would like to recognize the outstanding job that is being done by QCWA General Manager, Chuck Walbridge, K1IGD, and his lovely wife, Jan. Their commitment to all of the members of QCWA is deeply appreciated by all of us here in Chapter 10.

Anyone wishing to join Michigan Chapter 10, may do so by contacting Secretary, Jim Bishop, W8JFB. He will be happy to assist you in the application process. Have a safe winter and drive carefully.

James F. Bishop, W8JFB, Secretary/Treasurer

Chapter 11, NORCAL (CA)

The monthly meetings of Chapter 11, NORCAL are held the third Wednesday of each month at noon at "The Carvery" Harry's Hofbrau in Redwood City on El Camino Real one block north (toward San Francisco) of the intersection with Hiway 84.

The 2005 officers are Al Montoya, WB6IMX, President; Lee Savage, W6AQR, Vice President; and Brad Wyatt, K6WR, Secretary/ Treasurer.

Major topics of discussion at recent meetings have been the continuing threat of the proposed BPL test in Menlo Park, CA, now apparently abandoned -- see www.fixthemachine.com., the 2005 QCWA Convention and Cruise; the recent Chap. 11 lunch at the Sequoia Yacht Club, the proposed FCC rules change to eliminate the Morse Code requirement, other current amateur radio news, and general good fellowship. About 25 members usually attend each meeting.

Each meeting we are pleased to welcome new members! Please come join us for the social hour starting about 11 AM with lunch starting a half hour or so later.

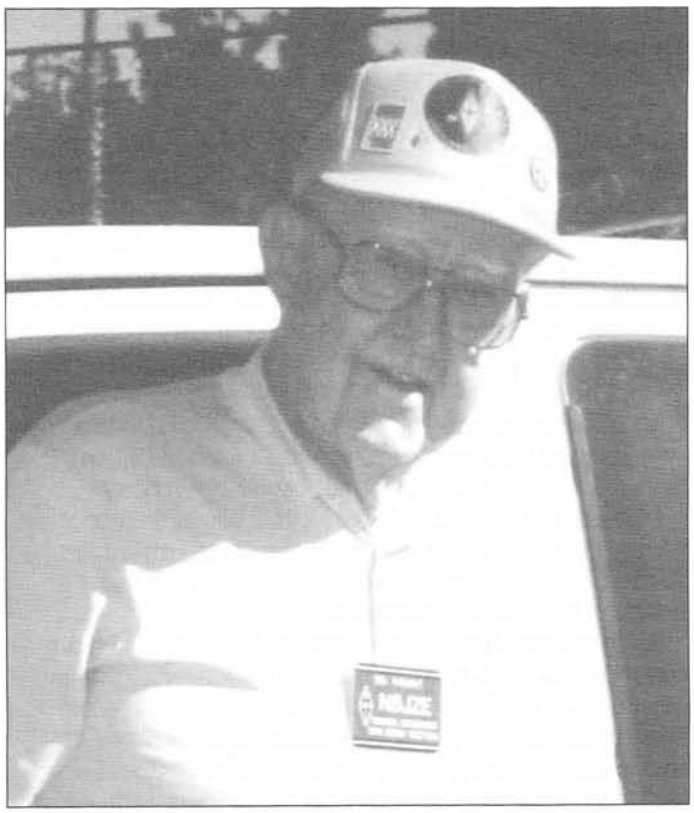
Brad Wyatt, K6WR, Secretary/Treasurer

Chapter 14, San Diego (CA)

Chapter 14 members and guests gathered for a late summer brunch meeting on Sunday August 7, 2005 at Denny's restaurant in the Clairemont Shopping Center. Attendees enjoyed meeting again in the spacious banquet room.

After the meal and the usual prize drawings, Chapter 14 members and guests experienced vicariously the great Ham radio operator adventure, the "DXpedition" presented by Chapter 14 member, Harry Hodges,WA6YOO. Slide shows of trips to Peter Island and South Sandwich Island were shown. Chapter 14 brunch meetings have been characterized by a wide variety of interesting programs. We are grateful to Harry for this show.

We were recently saddened by the passing of Del Radant, N6JZE, who became a Silent Key on August 11,2005. Del was one of the most active radio amateurs in the San Diego area. In addition to memberships in several local radio clubs, he also served in various leadership roles, Del has served as an ARES Technical Coordinator, FCC Official



Silent Key Del Rdant, N6JZE from Chapter 14, San Diego.

Observer and Net Control person for several clubs and ARES. Del was a Mentor to many Hams and was always available to provide answers to technical questions from his broad background in radio communications. Del will be truly missed by the San Diego Amateur Radio Community.

R.C. Onstad, N6BAS, Secretary

Chapter 17, "The Richard Brown W3CJI Memorial Chapter"

Officially there was no September meeting of Chapter 17; however, we did hold our annual banquet at the Richlandtown Inn on Saturday, September 17th. Once again this event was well-attended with members and guests enjoying the evening and hospitality of the restaurant. Club President, Ray Bilger, W3TDF, welcomed everyone to the event and thanked them for their participation. We look forward to an even better turnout next year.

Secretary/Treasurer, Mike Donio, K3NWM, gave a brief report on the financial status of the club; a full report will be made at the October meeting.

We lost another good friend and long-time Chapter 17 member Bud Tamm, W4YID. Who can forget Bud's famous phonetics "4 Young Itchy Dogs". 2005 has been a tough year on Chapter 17 with another name for the Silent Key page on our website. Here's more information in case you missed it. Albert W. Bud Tamm, 86, of Allentown, died Thursday, September 22, 2005 in Valley Manor Nursing Home, Coopersburg. He was the husband of Rachel R. (Rosenberger) Tamm. They celebrated their 58th wedding anniversary in June. Born in Port Chester, N.Y., he was a son of the late Charles F. and Nina I. (Posey) Tamm. Bud was an air traffic controller for the F.A.A., from 1948-72. He was a Navy veteran of World War II. Mr. Tamm was a member of First Mennonite Church, Allentown. Bud was active in the Kiwanis Club for many years and was an Amateur radio operator for more than 50 years.

Visit our webpage:
www.enter.net/~w3zmn/qcwa17/qcwa17.html
and also National QCWA at: www.qcwa.org

Pioneers in broadcasting: Here's some information I found on the Internet about the Yagi antenna. Some of us actually remember when Yagis were used as television antennas.

A Yagi-Uda Antenna, commonly known simply as a Yagi antenna, is an antenna consisting of an array of a dipole and additional parasitic elements. The dipole in the array is driven, and another element, slightly longer, operates as a reflector. Other shorter parasitic elements can be added in front of the dipole as directors. This arrangement gives the antenna directionality that a single dipole lacks. Yagis are directional along the axis perpendicular to the dipole in the plane of the elements, from the reflector through the driven element and out the director(s); if you hold out your arms to form a dipole and have the reflector behind you, you would receive signals with maximum gain from in front of you.

Yagi antennas which include one or more director elements, which, by virtue of their being arranged at approximately a quarter-wavelength mutual spacing and being progressively slightly shorter than a half wavelength, direct signals of increasingly higher frequencies onto the active dipole. (See also log-periodic antenna.) Thus, the complete antenna achieves a distinct response bandwidth determined by the length, diameter, and spacing of all the individual elements; but its overall gain is proportional to its length, rather than simply the number of elements.

All the elements usually lie in the same plane, typically supported on a single boom or crossbar. The parasitic elements do not need to be coplanar, but can be distributed on both sides of the plane of symmetry. Many Yagi-Uda antennas (including the one pictured) are designed to operate on multiple bands; the resulting design is made more complicated by the presence of a resonant parallel coil and capacitor combination (called a "trap") in the elements. Traps are used in pairs on a multiband antenna. The trap serves to isolate the outer portion of the element from the inner portion for the trap design frequency. In practice, the higher frequency traps are located closest to the boom of the antenna. Typically, a triband beam will have 2 pairs of traps per element. For example, a typical triband Yagi-Uda beam covering the 10, 15 and 20 meter bands would have traps for the 10 and 15 meter bands. The introduction of traps is not without cost-due to their nature; they reduce the overall bandwidth of the antenna and overall efficiency of the array on any given frequency, and radically affects its response in the desired direction.
The Yagi-Uda antenna was invented in 1926 by Shintaro Uda of Tohoku University, Sendai, Japan, with the collaboration of Hidetsugu Yagi, also of Tohoku University. Yagi published the first English-language article on the antenna in 1928 and it came to be associated with his name. However, Yagi always acknowledged Uda's principal contribution to the design, and the proper name for the antenna is, as above, the Yagi-Uda antenna (or array).

The Yagi was first widely used during World War II for airborne radar sets, because of its simplicity and directionality. Ironically, many Japanese radar engineers were unaware of the design until very late in the war, due to inter-branch fighting

between the Army and Navy. Arrays can be seen on the nose cones of many WWII aircraft, notably some versions of the German Junkers Ju 88 fighter-bomber and the British Avro Lancaster bomber.

Mike Donio, K3NWM, Secretary/Treasurer

Chapter 20, Baltimore (MD)

Chapter members and guests celebrated the presentation of the 2004 QCWA Presidential Honors Award to our Chapter Vice-President, Les Jamison, WR3X. The occasion was our annual picnic at Patapsco State Park on September 12.
Les received the award, in carrying out the intent of Section 97.1(d), "Expansion of the existing reservoir within the Amateur radio service of trained operators, technicians, and electronics experts." He is well known and highly regarded for his outstanding training and examining work with the Laurel ARC VEC, the Historical Electronics Museum ARC and the National Conference of VECs.

Charlie Seggie, K3JJD, took home the top door prize, a VHF transceiver. Everyone enjoyed Chef Eddie's, KB3IKD, grilled culinary offerings.

Preliminary plans were discussed for our annual gala sit-down luncheon Holiday Party on Sunday, December 4, most likely a return to the Crab Shanty in Ellicott City. Our Social Committee is Les, WR3X; Bruce, W3YVV; and Betty, N3PKX.

On September 25, former Chapter President Bill Gaton, W3QFF, was presented with his 60-Year Distinguished Service Award on the occasion of the celebration of his 90th birthday. Some 100 family and friends were in attendance in Glen Burnie, MD, including many from our Baltimore Chapter #20.

Join us any Monday Noon for a great lunch at Cactus Willies Steak Buffet and Bakery, 7315 Ritchie Highway, Glen Burnie, MD. It is directly across from the Empire Towers. Your XYL is invited any

Les Jamison receives award at Chapter #20 picnic.

Bill Gaton receives 60 year distinguished service award.

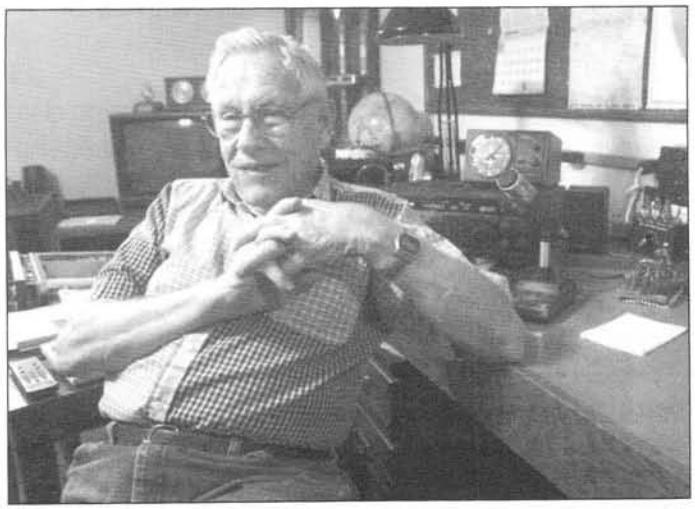
time, but especially on the first Monday of each month. To join our Chapter e-mail mailing list, send your e-mail request to john @johnston.net or stop by our table at any area hamfest.

John B. Johnston, W3BE, Chapter President

Chapter 25, Nebraska.(NE)

Plans are underway for an annual meeting for Chapter 25, Nebraska, hopefully to be held in July or August.

Elections will be held at this time, also. We've been a bit inactive in meetings and such, but the Saturday morning HF SSB net is going strong and getting more and more checkins. A thank you to not only those who check in and a big thank you to our two net controls, Lyle, W0US and Chuck, K0FY. Lyle is also a great NC for the Nebraska 40-meter SSB net and helps out with relays for the National QCWA on Sundays. We had a booth at the Ashland (Nebr.) ARC's first hamfest on May 7 with 15 QCWA members stopping by to say hi and sign in. Our farthest signer was Floyd, WA0QMV, (Chapter 102, South Dakota) who made the trip from his home near Sioux Falls. He is a regular in the Nebraska



Lyle Quinn, W0US, NC for the Nebraska 40-meter SSB Net.

(continued on page 24)

Standing Committees as of April 1, 2005

	Committee Functions	Committee Membership
Finance	• Monitor Investments • Prepare & Monitor Budget Expenses • Review dues structure • Scholarship Program • Monitor Financial Advisor's Performance • Endowment Fund Oversight	Chairman, Lew Gordon, K4VX Vice Chair, Tom Atkins, VE3CDM Jerrel Jones, W5TUU Tony Hirsch, W8RSH Roger Volk, K0GOB Treasurer Frank Harris, WA4PAM* Croft Taylor, VE3CT* General Mgr. Chuck Walbridge, K1IGD* Scholarship Ch., Buddy Smith, W4YE*
Chapter Relations	• Chapter Awards, HQ Awards • Membership Growth • Recruiting Guidelines • Chapter Guidelines • Conventions • Operating Activities • Hamfest Coordination • Member Supplies	Chairman, Harold Chase, W1EES Vice Chair, Blanche Randles, W4GXZ Jan Scheurman, WA4YL Howard Cunningham, WD5DBC General Mgr. Chuck Walbridge, K1IGD* Bob Roske, N0UF* George Roach, VE3BNO* Larry McCalvy, WA9JMO* Ken Oelke, VE6AFO*
Administration	•Maintain various QCWA Documents (Constitution, By-Laws, Directors Guide, Membership Lists, Web Page) • QCWA History • NEMSO Contract	Chairman, Ed Yoder, W3YMB Vice Chair, Blanche Randles, W4GXZ Harrison Moore, W2JQS General Mgr. Chuck Walbridge, K1IGD* Croft Taylor, VE3CT* Bob Roske, N0UF (Webmaster)* Historian (Vacant)*
External Relations	• Maintain Relations with other Amateur Radio Organizations (ARRL, CRL etc.) • Monitor Regulatory Bodies Proceedings and reply as necessary • Scholarship Program • Operating Activities and Awards	Chairman, Len Nathanson, W8RC Vice Chair, Tom Atkins, VE3CDM Tad Burik, K3QC Secretary, Alan Pickering, KJ9N* General Mgr. Chuck Walbridge, K1IGD* Scholarship Ch., Buddy Smith, W4YE*
Publications	• Monitor the quality and content of the Journal • Develop other sources of Advertising and Revenue • Taping Program Oversight • Web Page content • Barter Advertising Oversight	Chairman, Bob Roske, N0UF Vice Chair, Croft Taylor, VE3CT Jerrel Jones, W5TUU Ray Minichiello, W1BC Fred Maia, W5YI General Mgr., Chuck Walbridge,K1IGD* Bob Roske, N0UF (Webmaster)* Blanche Randles, W4GXZ*

**Advisors to committees*

NOTES: The President and Vice President are Members ex-officio of all above committees. The following is the contact information for non-board members:

- *Tad Burik, K3QC, 239-649-5599 <wa8pxl@juno.com>*
- *Howard Cunningham, WD5DBC, 703-359-9211 <howardc@macrollc.com>*
- *Tony Hirsch, W8RSH, 614-880-4466 <thirsch@ameritech.net>*
- *Fred Maia, WYI, 817-795-9594 <fmaia@texas.net>*
- *Larry McCalvy, WA9JMO, 262-639-7327 <wa9jmo@wi.net>*
- *Ray Minichiello, W1BC, 603-472-9746 <pcusimd@cs.com>*
- *Ken Oelke, VE6AFO, 403-277-0507 <ve6afo@3web.net>*
- *George Roach, VE3BNO, 613-234-0885 <groach@igs.net>*
- *Jan Scheurman, WA2YL, 239-560-8495 <ylham@earthlink.net>*
- *Buddy Smith, W4YE, 540-721-4684 <w4ye@aol.com>*

LaPorta, N1CC; as each provide us with an interesting insight into their particular realm of Amateur Radio. Chip, K7JA and Janet, KL7MF Margelli hosted Amateur Licensing exams onboard – four exams were given and passed successfully. Congratulations to Bob Whelan, G3PJT for taking and passing all the U.S. Amateur elements through Extra and to Barbara Misic on obtaining her Technician License.

Food was everywhere; wonderful, delicious and in great abundance. I ate and ate, and then I ate again. The ship's entertainment was simple yet unique with young people so full of energy and excitement that it infected us all making everyone feel better about themselves, the performances and the setting. I'm sure liquor may have had something to do with it too. Our group had two special onboard cocktail parties on deck 12 in the Crow's Nest lounge at the front of the ship. We were served wonderful beverages, enjoyed a spectacular view, and socialized with an outstanding group of travelers. Amateur Radio folks – what more need I say!

Our Seven-day adventure at sea was broken with three ports of call – Wednesday at Sitka, Thursday at Juneau and Friday in Ketchikan – small unique Alaska communities that everyone seemed to have enjoyed. Our group joined the other passengers at the ship's rail as we passed through Glacier Bay National Park while glaciers calving, whales breaching and seals basking on ice floes, kept all of us in awe the entire day. The last full day we cruised the inside passage, and many felt it was a perfect end to a perfect trip. A sheltered waterway of wonderments that many felt was pure magic.

Totem and clan house of Alaskan natives in Totem Bright Park, Ketchikan, Alaska

"Food was everywhere; wonderful, delicious and in great abundance. I ate and ate, and then I ate again. The ship's entertainment was simple yet unique with young people so full of energy and excitement that it infected us all making everyone feel better about themselves..."

Our 2005 Alaska Cruise Convention WEB Master has posted a photo gallery of about 2000 pictures on our web site at www.qsltravels.org for your viewing. There are two free downloadable programs that will help you download any pictures off our web site that you would like. They are "picasa2" and "hello", available from www.picasa.com and www.hello.com.

One small problem did occur. Pat Marcy, W7PZ was going to take the three ICOM transceivers and Comet Antenna back with her in a rental car from the Vancouver Passenger Terminal. I made arrangement with the Purser on the Veendam to off-load the radio equipment for pick-up on the dock. However, when I, and then later, Pat searched the passenger terminal for the radio gear, it was not to be found. Forced to leave by awaiting transportation, I called Holland America's Vancouver Passenger Terminal the next day and found that Canada customs had taken the four packages and locked them away thinking that they could claim some duty from us for bringing the equipment into Canada. I had to call a Canadian Customs Broker to have the radio gear released and then arrange to have it shipped across the Border and finally back to ICOM. As of Thursday, September 22nd, the radios and antenna were arriving, released from customs, and available on a freight dock in Seattle and ICOM America was going to pick them up that afternoon.

I had a wonderful time, met some of the finest folks a body could ever hope to meet and saw some beautiful sights as we explored the largest state in the U.S.A.

It was my great pleasure to be a part of the wonderful Alaskan Coastal Water Ways cruise that involved so many wonderful people. And until our paths cross again, hopefully on another adventure, may the Good Lord watch over you, and life finds you living it to its fullest.

QCWA Members Enjoy Cruise to Alaska

By: D.E. "Dee" Logan, W1HEO

Alaska's beauty, plus the fine services of the Holland America cruise ship Veendam, combined to produce a memorable 2005 August vacation for 112 QCWA members and spouses. The seven-night cruise began at Seward, near Anchorage, Alaska, with an itinerary includ-

(continued on page 40)

nets. If you get a chance, please stop by and say hello on our net: Saturday mornings on 3.982 MHz at 08:30 a.m., central time.

Jeff Beiermann, WB0M, Vice President

Chapter 30, West Virginia (WV)

The Fall Gathering for our Chapter was held in October with a good turnout. Art Ellis, W8PBO, reported on the chapter reactivation, growth and activities over the last two years. He expressed his gratitude, thanking the members for their help and support as he finished his term of Chapter President.

An election of new officers for the next two years was held at the meeting. Bob West, WA8YCD, of Morgantown was elected President. Our new Vice President is Mac McMillian, W8XF from Charleston. Secretary/Treasurer David Mays, W8UI, from St Marys will continue for another two-year term.

Picture above is Bob West, WA8YCD, our new chapter president.

Our new President, WA8YCD, got started as a novice in 1966 and has fond memories of those early contacts with a Knight T-60 and Hallicrafter S-38E. A year later when his code speed was not quite up to general requirements, Bob secured a Technician license and got on two meters with a Heath Lunchbox and a Drake TR-22. Carrier moves took him to Texas for a few years where he upgraded to an Advance license, became active in AF Mars and the NTS.

In 1999, Bob became a victim of downsizing and returned to West Virginia. He is active in both the Morgantown and Fairmont radio clubs along with the WV State Radio Council serving in several offices.

Congratulations are in order for our Chapter member Don Lemley, W8DL. He was named 2004 WV Amateur of the Year. He and his son Don, W8HRQ, also took the top award for the 2004 ARRL WV Field Day competition. Way to go Don!

Don't forget the local hamfest coming up around the state in the next few weeks. I don't have all the dates at this time but the hamfest at Fayetteville should be coming up the last weekend of February. The Charleston hamfest will be March 18th and Ripley to follow with their hamfest in May. I'll include notices of these events in later publications of our Chapter newsletter as a reminder.

The date and location for our spring gathering of the Chapter has not been set either. It should be in late April or early May. Watch for the announcement of this gathering in the Chapter newsletter. If you want to be added to the mailing list for the newsletter or you are not receiving it, please let me know. Most copies go out using e-mail with a few going by snail mail.

David Mays, W8UI, Secretary/Treasurer

Chapter 35, Midcontinent

John received his award at one of Chapter 35's twice-a-week lunches July 21st. Yes, twice a week. On Tuesday we meet in Kansas and on Thursday we meet in Missouri.

Check out our website at http://www.qsl.net/qcwa35/ for details.

Bob Roske, N0UF, Secretary

Chapter 41, Dallas (TX)

John Marshall (r), W0JM, receives his 75th Anniversary Award from QCWA VP Bob Roske, N0UF.

Chapter officials led by Chapter President Steve Brodie, W5ZYZ, are in on-going discussion with experts on Title IX, specifically Sub-section 121.8(a), covering the endorsement and sustenance of Class A-1 Ultra-senior Football Teams (a new category) under the auspices of NCAA sanctioned college football programs designated "UltraPartners." In summary, 121.8A) provides for "unrestricted underwriting and promotion of fielded football teams comprised of male senior citizens of minimum age 60." Such a team is being fielded by the Chapter and will compete with similar teams being formed across the country under a HUD athletic grant. Locally, it is contemplated that the college/university "partner" for Chapter 41 will be a team in the Big Ten Conference. Purdue is under consideration. Initial team members selected are: Bert Wells, W5JNK, Coach; Baity Bartel, W2LQ, Quarterback; Leonard Jez, K5VJ, Defensive end; Roy Costolow, W5ZOZ, Defensive tackle; Jim LaPorta, N1CC, Running back; Bob Peters, W1PE, Center; Bob Ray, W5ZMI, Wide receiver; Ken Norvell, W5KN, Cornerback; Charley Dobkins, W5LCM, Offensive

Legendary motorcycle racer and Dallas Chapter member Luther Pully, W5JIZ, while no longer thrilling audiences with his "Wheelies on a Harley Hogg" show, retains his passion for "thunder and speed." Luther is pictured departing a recent chapter luncheon meeting in Dallas.

tackle; Jim Rhodes, W5TQC, Punter; Lacy Goostree, W5LMG, Tight end; Ray Story, K5ANG, Safety; Dennis Bozeman, W5ALJ, Kicker; Bob Jones, W5SYU, Free safety; Julia Young, K5JFJ, Team trainer; Jack Kennedy, W5DJ, Field scout; Nadine Wells, W5ZUT, Cheerleader. Conditioning programs continue on a daily basis with additional members vying for a team position.

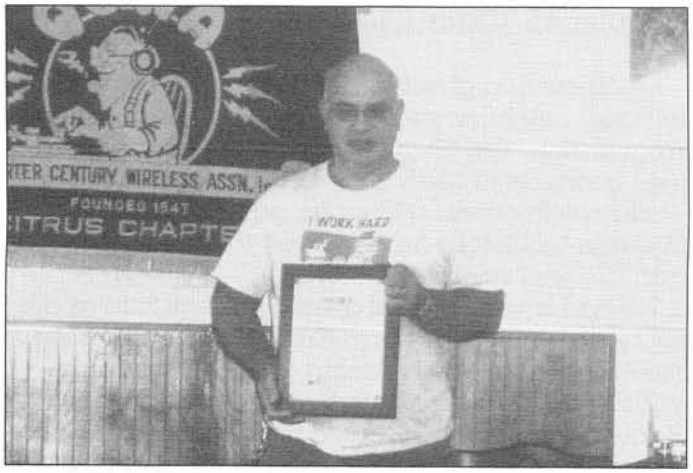
Bob Olney, N5NT, Secretary

Chapter 45, Citrus (FL)

Members and guests of Citrus Chapter enjoyed an informal luncheon meeting at a local restaurant on August 28th. The Chapter holds one of these meetings quarterly to allow members that are still in the workforce to attend a Chapter gathering. These informal luncheons have proved to be very popular and are well attended.

We had a very special award presentation at our September meeting. Norm Gertz, K1AA, presented the Presidential Honor Award to Robert Cumming, W2BZY. Bob is a very active member of the local Ham community, has served as President and Vice-President of Citrus Chapter and President of OARC (Orlando Amateur Radio Club). He serves as the trustee of W4PLA, the Chapter's open repeater. Retirement, after 36 years with AT&T, has given Bob more time to cultivate his "antenna farm" in Longwood, just up me road a piece from Orlando. A very active DX'er, 230+ on the DXCC list, he operates from 160 m to 3 cm. It is no wonder that sometimes on the Chapter's scheduled Tuesday net he picks up the wrong mike.

But, perhaps the most time consuming of all his activities is with the group from the OARC that sponsors and runs the Orlando HamCation in February of each year. The planning for the 2006 event began as soon as the 2005 HamCation closed its doors. This event is becoming bigger each year and available space is at a premium. The Chapter reserved a booth for 2006 HamCation before the



Robert Cumming, W2BZY, displays his Presidential Award to the Chapter members.

2005 event closed. His XYL, Myrna, does not see much of Bob during the hectic week of the HamCation and shares him with committee duties the remainder of the year.

The Chapter is proud to have the achievements of Robert Cumming, W2BZY, recognized through the presentation of Presidential Honor Award "For continuing and extending the amateur's unique ability to enhance international goodwill". Chapter 45's regular luncheon meeting is the third Wednesday of each month. The restaurant where we have held these meetings for the past several years closed in August several days before the scheduled meeting. We were fortunate to be able to find another location in time to hold the meeting as scheduled. Our new location is the Golden Corral, a buffet type restaurant at 7521 W. Colonial Drive in Orlando. Members and guests begin garnering at about 11:30AM. The formal meeting begins at about 12:30PM. The food is good, the price is right and the fellowship is unexcelled.

The Chapter owns an open repeater, W4PLA, operating on 147.195 MHz. Scheduled net is at 1930 hours local time on Tuesday of each week. All hams in the area are invited to check in.

Paul A. Turner, W1DLP, Secretary

Chapter 53, Suncoast

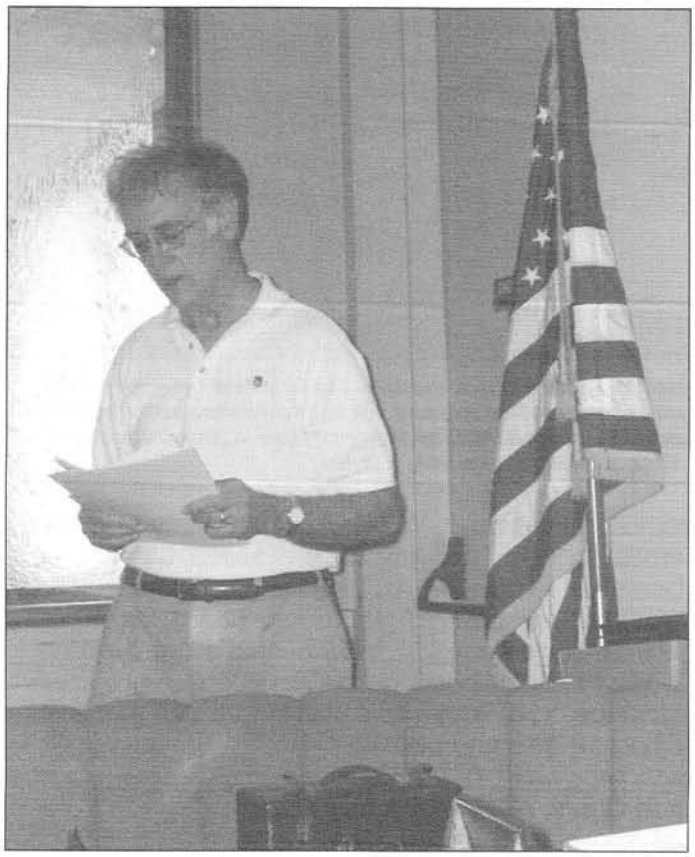
Our Chapter's luncheon meetings are suspended during the summer months and we enjoy informal gatherings of members and friends at the Panda Pavilion Chinese buffet in Venice, FL, June through September. When October rolls around, however, we return to our regular venue, Denny's, 3701 Bee Ridge Road, Sarasota, FL, at 11:30 AM the first Wednesday of the month. All QCWA members living in, or visiting, the Florida Suncoast area are always welcome. Please contact the undersigned at w4js@juno.com if you would like to join with us any month of the year.

Jack Sproat, W4JS, President

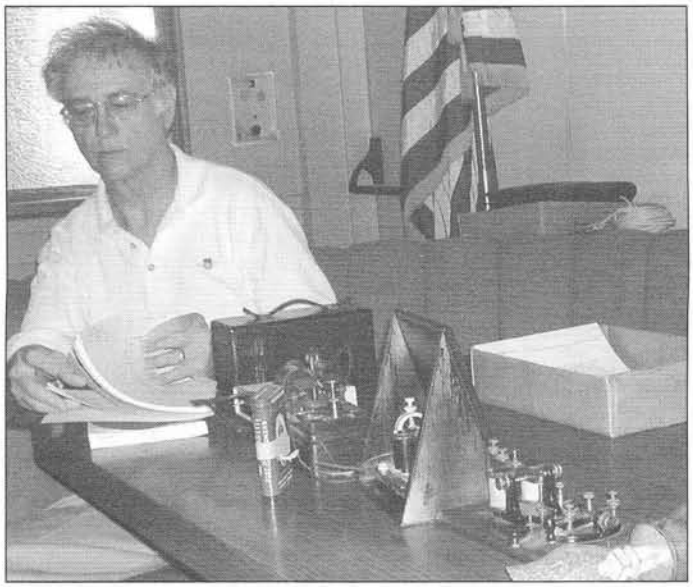
Chapter 67, Austin (TX)

The Austin Chapter has been meeting on the third Saturday of every month at 2pm at the Denny's restaurant near Northcross Mall in Austin. We had a large turnout at our August meeting for a special program by Mr. Durell (Duie) Roth, K5KZQ, on the history of wire line telegraph. Mr. Roth is a freelance writer who has written articles for Radio Electronics, Monitoring Ties, The Grid Leak, Proceedings of the Radio Club of America, and numerous other vintage radio and Amateur radio publications. Mr. Roth is currently completing his research for a book on the history of the first telegraph company in Texas. The "Texas and Red River Telegraph Co." was formed in 1853. He detailed the formation and operation of the telegraph company for our group and brought some nice examples of early telegraph equipment.

Our September meeting featured Chapter 67 President Bil Henson, WB5SYS. Bil demonstrated his integrated, portable Amateur radio station. His station includes packet radio, amateur television,



Durell Roth, K5KZQ, presents the history of early telegraph companies in Texas for Chapter 67's August meeting.



Durell Roth, K5KZQ, and early telegraph apparatus at the August meeting of Chapter 67.

APRS (Automatic Position Recording System), and 2m and 440 MHz FM voice. It is a self-contained station that collapses neatly for quick transport to an emergency site.

Our Chapter 67 Board of Directors met on September 10th to plan for 2006. In addition to Directors Smokey Wiley, K5RDJ, and Keith Zimmermann, K5WX, the meeting included President Bil Henson and Vice President Hank Belopavlovich, WA5ZLI. There are some very ambitious activities planned for 2006! More information will be given in the next quarterly report.

Chapter 67 is continuing to provide the Austin area with weekly code practice sessions on the 146.94 MHz repeater. The practice begins at 8:00 pm every Wednesday evening. The code practice text is given on Chapter 67's web page: www.qcwa.net.

Keith Zimmermann, K5WX, Secretary

Chapter 70, National Capital, Canada

In the absence of President Joe Parkinson, VE3JG, and Vice President Gus Holtz, VE3VK, Past President Jim Dean, VE3IQ, chaired our September 20th Chapter 70 dinner meeting. It was held in the Carlingwood Family Restaurant and 44 members and guests attended. Since our last meeting, a long-time QCWA and Chapter 70 member, Jim Swail, VE3KF became a SK. A Certificate of Appreciation was presented by Jim, VE3IQ, to Chapter 70 Director Ernie Brown, VA3OEB, for our donations to the Radio Amateurs of Canada. Year pins were again presented to some of our members. Receiving new member pins from pins Director Doug Leach, VE3XK, were Brian Martin, VE3IX, and Cary

Don Dashney, VE3RM (l) receiving his 60-year pin and certificate from Chapter 70 Director Doug Leach, VE3XK.

Honeywell, VE3EV. 45-year pins were on hand for absent members Brian Rawlings, VE3IX; Paul Reed, VE3LR; and Mike Rowlands, VA3MR. A 50-year pin was presented to John Gilbert, VE3CXL. Don Dashney, VE3RM, who was absent at the last meeting, was given his 60-year pin. (not 65, as was reported in error in the Fall Journal).

Like Amateur radio, the radio control of model aircraft has changed a great deal over the years, and like Amateur radio has moved away from home brew to appliance operation. Guest speaker, Richard Barlow, model aircraft buff and President of the Model Aeronautical Association of Canada, (MAAC) reviewed the history of the radio control of model airplanes. In the early days all models flew free. In the mid-fifties control line flying was introduced and at about the same time rudimentary radio control appeared. By about 1947 many experienced radio amateurs were flying radio controlled model airplanes. It was all home built as no commercial equipment was available and amateurs were involved as they were licensed to transmit radio signals. In 1952 the 27 MHz band was opened for remote model control with five frequency channels available. Aircraft control was known as bang bang with one button that moved the rudder. Next came rudder and elevator control with a primitive form of proportional control. About 1962 multi-control came by using vibrating reeds. The transmitter had two joy sticks giving four axis control of ailerons, elevators, rudder and speed. In 1966 the 72 MHz band with 50 channels was allocated for exclusive use for radio control of model aircraft. Then in the nineties computer control appeared, allowing preprogrammed stored data to trim each particular model for level flight. Up to fourteen functions could now be controlled. The recent appearance of brushless motors and very

(continued on page 30)

Our Western Hospitality Awaits You and Yours!

QCWA INTERNATIONAL CONVENTION, Calgary, Alberta, Canada
September 28 – 30, 2006

http://www.qsl.net/ve6afo

Hosted By:
Wild Rose Chapter 151
At
The Port 'O Call Inn, 1935 McKnight Blvd NE
Calgary, Alberta, Canada T2E 6V4

A block of rooms have been reserved at $100.00 in Canadian Funds (includes taxes) for Single or Double, up to August 26, 2006. After this date there is no guarantee this price can be honored. These rates are guaranteed 3 days prior to and after convention dates. For reservations – contact the Hotel directly at 1-800-661-1161 and be sure to quote QCW0926 for this special rate. There is a complimentary airport shuttle and many other conveniences.

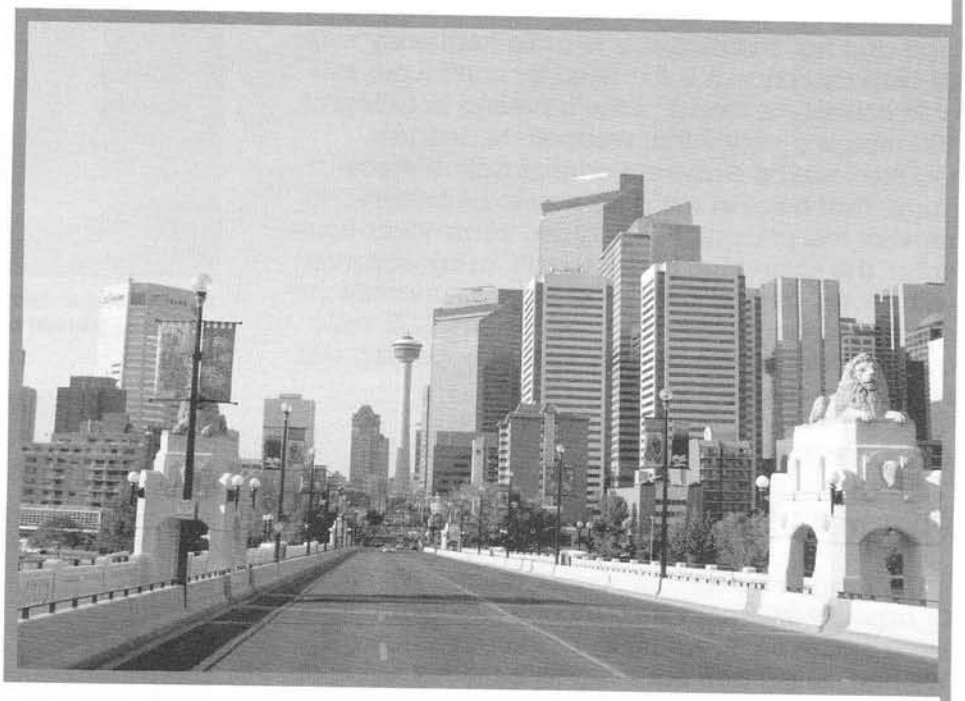
REGISTRATION: Watch for the spring issue of the QCWA Journal for details. A pre-registration prize will be available, along with added savings, for all that register before August 1, 2006.

CALGARY ATTRACTIONS: There are many! Here are just a few - Calgary Science Centre; Calgary Tower, the city's premier landmark complete with revolving Panorama Room; Calgary Zoo & Prehistoric Park; Botanical Garden; Fort Calgary Historic Park; Glenbow Museum; Heritage Park; Canada Olympic Park; Olympic Speed Skating Oval. Copies of the Alberta Vacation Guide will be available to all registrants on arrival.

CANADIAN ROCKIES: Mother Nature dealt its winning hand to the legendary Canadian Rockies which are clearly visible from Calgary, weather permitting. Flanking the province's western edge with its serrated peaks – this mighty patchwork of mountains, national parks, emerald lakes, charming village and untrammeled wilderness can hold its own in the most exalted mountain company. The Town of Banff and Lake Louise is well worth a visit and is less than an hour and half drive from Calgary.

SPONSORS - WILD ROSE CHAPTER 151: We were chartered on May 18, 1984 and the Convention Planning committee is working hard on your behalf to bring you many presentations and door prizes. Who knows what you will be taking home!

Are You Up To A Calgary Challenge? It is a Fabulous Program!



PRESENTATIONS/SEMINARS: There are 5 seminars planned for the Friday and 4 seminars for Saturday - plus a QCWA Forum.

Topics include: *QRP – Niels Kristjansson, VA6NJ; Rocketry Club – Ian Stephens, VE6IMS; Neuron Waves – John Bley, VE6MAQ; IARU – Tim Ellam, VE6SH and Dr. Larry Price, W4RA; Living Longer In Amateur Radio – Dr. Rick Zabroski, VE6GK, Astronomy – Arnie Rivett, VE6CN; Radio Astronomy – Jason Nishiyama of Royal Astronomical Society of Canada; Amateur Radio In Schools – Brian Jackson, VE6JBJ*

DISPLAYS: Must see Old Tube Display – Max Farmer, VE6SL and Old Radio Display – Don Everton VE6RME.

CONVENTION PIN: A special designed commemorative Convention-2006 pin will be available at the registration desk – cost $5.00 Canadian. Do not wait too long to purchase as there is a limited number available – first come first served!

TOURS: Will include the Calgary Stampede Casino, Country Music Hall of Fame and Calgary Aero Space Museum.

"MEET & GREET": This will be a Friday evening event (September 29, 2006)

BANQUET: This will be a Saturday evening event (September 30, 2006)

high capacity rechargeable batteries has resulted in very small radio controlled airplanes with a three to one weight ratio that can fly up to an hour indoors in a gymnasium.

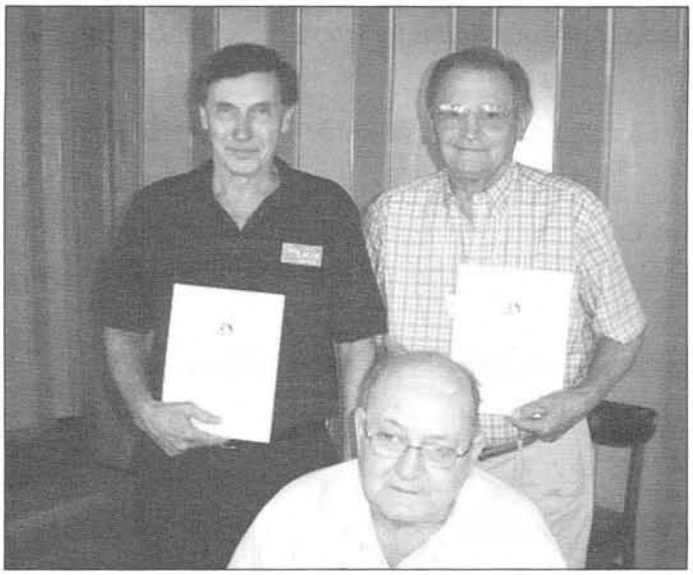
Now on the horizon is the move to utilize the 2.4 GHz band employing digital spread spectrum modulation. Benefits foreseen include simultaneous non-interfering no- tune control of up to 79 model aircraft and less susceptibility to radio frequency noise. Of primary concern is the need for continuous reliable control. A model plane traveling in excess of 200 mph is a very lethal weapon. No longer required will be elaborate administrative procedures, that have in the past, had to be followed to prevent loss of control should two transmitters transmit at the same time to an aircraft. In consultation with model aircraft people commercial manufacturers are working to develop and test 2.4 GHZ radio control systems with standards, that hopefully, will be internationally adopted.

Clare, VE3NPC, Secretary

Chapter 89, Palmetto (SC)

The regular meeting of South Carolina Palmetto Chapter 89 was held September 24,2005 at Hill Top Steak House on St. Andrews road in Columbia SC. We had a nice turn out even with the hot weather and high gasoline prices. Three 50-year Awards were given and Jenny Myers, WA4NGV, was elected 2nd V.P.

Congratulations to John Langley, K4CSB; William Pennekemp, WA4WGP; and Sam West, K4GMV who received their awards for 50 years as licensed ham radio operators.

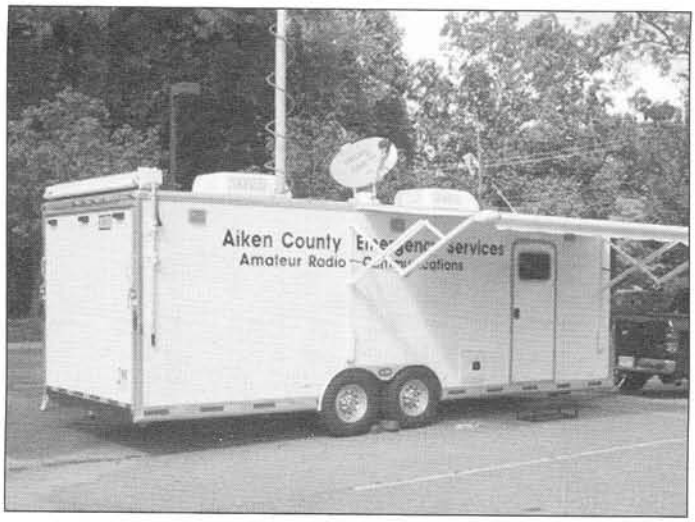


Congratulations to John Langley, K4CSB (L); William Pennekemp, WA4WGP (R); and Sam West, K4GMV, who received their awards for 50 years as licensed ham radio operators.

Dr. James Boehner N2ZZ SC SCM (R) receives Past Presidents plaque from Bill Pennekemp, WA4WGP, 1st VP.

Jenny Myers, WA4NGV incoming 2nd Vice President.

Chapter President Dr. Jim Boehner, N2ZZ, SC SCM gave a very interesting talk on the Aiken County Emergency Services Amateur Radio Trailer which was dedicated on Wednesday September 14th. We in South Carolina are very fortunate to have been the first Amateur Radio group in the nation to have been selected to receive a grant from The Department of Homeland Security to purchase Amateur radio communications equipment. The trailer is the property of the Aiken County SC government and will be utilized for emergency communications at the direction of State Emergency Director. An article, complete with video, can be



S.C. Emergency Management Amateur Radio trailer.

downloaded at http://www.arrl-sc.org/

Ralph Mott, N4RM

Chapter 91, Vic Clark (VA)

Our meeting in July is our annual awards luncheon. This year we honored the following: 50 years since first licensed & 50 years continuously licensed: Al Cammarata, W3AWU; Ray Johnson, K5RJ; 65 years since first licensed: Dale Harris, W4DM; John Swafford, W4HU; Ralph Albers, W4ER.

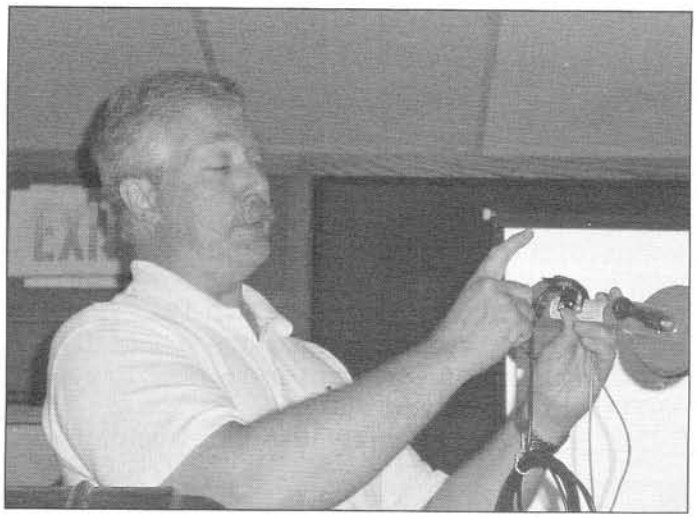
Pete Norloff, KG4OJT, was then introduced by Len Hook, KG6ZR, as our after-lunch speaker; Pete's topic was the Automatic Position Reporting System (APRS).

Around 1984, Bob Bruninga, WA3APR, used a VIC-20, an early personal computer, to write a program to encode and decode data packets that could be broadcast as audio tones via Amateur radio. Unique in his approach was the use of a connectionless protocol which greatly reduced the overhead otherwise involved in packet data communications. Around 1992, Bob saw an opportunity to couple his packet broadcasting system with the growing availability of low-cost Global Positioning System (GPS) receivers. This enabled him to use broadcast packets to transmit the GPS receiver's position periodically to any stations within radio range and capable of decoding the packets; thus APRS was born.

Pete showed pictures of some of the hardware and software used currently by APRS devotees and then gave us a tour of interesting applications including some that take advantage of the Internet to store and distribute APRS position data more widely than is possible using wireless links alone.

As an example of a tactical application of APRS, Pete showed how buses carrying the "survivors" of a mock transport aircraft crash were tracked on their way to area hospitals by Fairfax County ARES during an all-day drill centered on Dulles International Airport (IAD) in May, 2004. The photo is of Pete explaining an antenna mount made from suction cups used to carry large window panes; these were attached to the windows of the buses to carry both the VHF communications and GPS antennas.

As an example of the use of the Internet to store and later serve APRS data, Pete showed several sets of successive position reports plotted on a map of

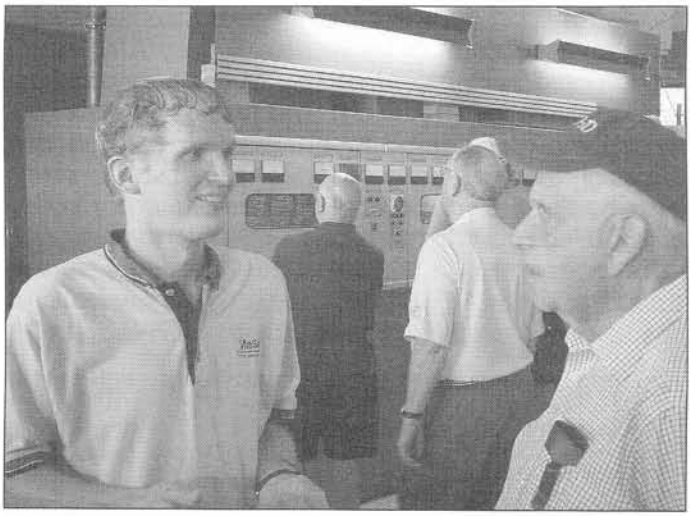


Pete explaining an antenna mount made from suction cups used to carry large window panes.

the mid-Atlantic states. Pete obtained these reports from an Internet website that had previously archived them during several trips taken by Pete in his APRS-beaconing truck over the past year. The reports were first received via radio by someone else who then forwarded them via an Internet-gate (I-gate) to which the server was connected.

In August, we toured the historic transmitter site for WTOP-AM located in Wheaton, MD. Ken Sleeman, W4PVB, and Transmitter Site Manager, and another young engineer, Dave Kolesar, were there to show us around. While waiting for other members to arrive, we looked through several photo albums that Granville "Granny" Klink, WTOP's Chief Engineer for many years, had assembled. Granny, now a Silent Key, was also a long-time member of the DC chapter of QCWA and friend of many in Chapter 91. Granny, W3AFV, regularly attended our Chapter's annual picnic hosted at her home in Falls Church by member Ethel Smith, K4LMB (SK). Ken said the engineers used to kid Granny about his ever-growing collection of photo albums, but now they are seen as treasures of the station. The photo shows Dave Kolesar explaining something to Nelson Seese, W4BHD, with the back-up transmitter in the background.

The building we visited, with its three tall antenna



(left) Dave Kolesar explaining something to Nelson Seese, W4BHD.

towers all in a row, was built around 1939 on very high ground in then-undeveloped Wheaton, MD. Its call letters were changed to WTOP in 1943, and it had a new slogan: "This is WTOP, the spot at the TOP of your dial." It was then, and is now, found at 1500 kcps (kHz) on your AM dial.

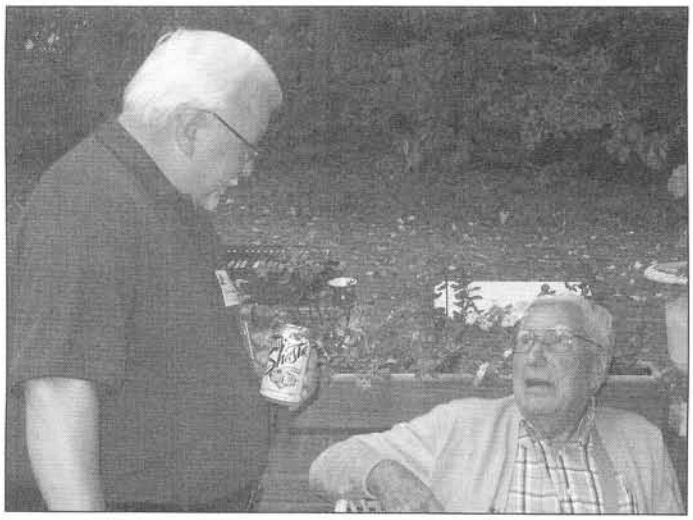
Our photo album from this trip can be found here:

Glenn Bigler, W4OOC, and his bride Joan, KI4FYN. That's Glenn on the left and Joan on the right, with Leila, WN4PP, and Carol Cutchall, WA4GFW, in between.

http://homepage.mac.com/rrucker/PhotoAlbum67.html

It contains photos of the photos that Granny had collected over the years as well as a number of photos taken during our tour. Together, they tell quite a story.

In September, Lew, W4SWP, and Marolyn Bradley hosted our annual picnic at their home in



Carl Gray, W4ACM, who is 95 years young, drove up from Fredericksburg for the event. That's Glenn on the left talking with Carl.

Alexandria. The weather was lovely and the food was plentiful. Ray Johnson, K5RJ, cooked the hamburgers, and John Reiser, WQ4L, cooked the hotdogs.

Two we have not seen for a while were Glenn Bigler, W4OOC, and his bride Joan, KI4FYN. Carl Gray, W4ACM, who is 95 years young, drove up from Fredericksburg for the event. That's Glenn talking with Carl in the above photo.

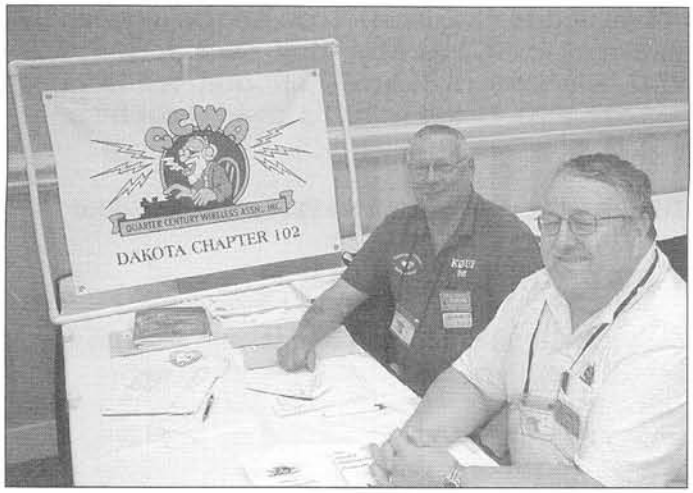
For more on these programs, including photos, see: http://homepage.mac.com/rrucker/chapter91.html

Dick Rucker, KM4ML, Secretary

Chapter 102, Dakota (ND/SD)

The busy summer season is over and we are waiting for the cold weather to begin. The QCWA Vice President Bob Roske, N0UF, was at the Dakota Division Convention in Fargo, ND that was held September 8th, 9th, and 10th. Both the Dakota Chapter 102 President Frank Shaw, NU0F, and Vice President Bill Bosch, K0UB, traveled across their states to attend. They and Bob, N0UF, manned a QCWA table at the flea market. Chapter member Tim Gooding, KD0YX, was part of the Convention Committee and was very helpful in getting our table set up and made sure we had every thing we needed. As a matter of fact, the committee did a very find job getting things organized. Another member Gurnee Bridgman, W9NT, was the DXCC checker at the convention. We signed up 3 new QCWA members and had 14 sign in our visitors log. It was good to have an eyeball QSO with some of our members whom we haven't met before.

Chapter member Scott Rausch, WA0VKC, and a member of the Black Hills ARC assisted with the organization of a new Amateur radio club in Rapid



Vice President Bob Roske, N0UF (right), and Dakota Chapter 102 Vice president Bill Bosch, K0UB, at our QCWA table.

Chapter 102 member Gurnee Bridgman, W9NT, who is a DXCC checker, checking QSL Cards.

City, SD. The new club was formed at the National Weather Service (NWS) station, with the goal supporting the NWS Skywarn storm spotting activities. Scott and Gary Peterson, K0CX, attended the Black Hills ARC's annual summer picnic. All are Past Presidents of the club.

The Chapter is planning its annual Special Event Operation to celebrate our 29th anniversary as a QCWA Chapter on Saturday, February 25, 2006. Members will be scheduled to operate for a 9-hour period starting at1400Z and ending at 2300Z. Stations will be using our Chapter call W0DAK. Stations will be operating in the General portion of the ham bands. Further information will be listed in QST and on the ARRL web site. The Chapter station with the most contacts will get to keep our Traveling Trophy for a year.

Frank Shaw, NU0F, President

Chapter 109, Baton Rouge (LA)

The Baton Rouge Chapter 109 has been quite busy so far this year. On February 19th we had a Chapter Executive Board breakfast meeting at Frank's Restaurant in Baton Rouge to plan for the coming year. All Chapter Officers were present except for W5OVV who was ill and is still trying to recover. Our thoughts and prayers go out to him.

Our first quarterly membership meeting was on April 2nd at Frank's Restaurant in Prairieville. A dozen members and guests attended where the highlight of the meeting was the presentation of Member-of-the-Year Awards to John, N5CBB, for 2003, and to Ben, N6SL, for 2004, by President Wayne Gordon, K5EOA. Later that month, during the Baton Rouge Amateur Radio Club Hamfest, we set up a recruiting table to solicit new members. All agreed that our efforts in that regard require substantial improvement.

We held our second quarterly membership meeting in Acadiana at Landry's Seafood Restaurant in Henderson on June 18. Vice President David Assaf, W5XU, and his lovely wife Paula, presided in K5EOA's absence. Approximately 18 members and guests attended, and all seemed to enjoy the fresh Louisiana seafood served Cajun style as well as the fellowship where the technical topics for discussion ranged widely. Congratulations to our newest member John, N5CPE, and special thanks to Benny, K5KV, for agreeing to call the Chapter net on the second Sunday of each month. Chapter 109 mourns the loss of W5YSN, K5OKR, and W5IVZ—all Silent Keys in 2005.

Doc Maack, AC5IA, Secretary/Treasurer

Presentation of Member-of-the-Year Award to John, N5CBB, for 2003, by President Wayne Gordon, K5EOA.

Presentation of Member-of-the-Year Award to Ben, N6SL, for 2004, by President Wayne Gordon, K5EOA.

Chapter 120, Quarter Century Wireless Women

Our Annual and only meeting of the year was held on board the Holland America cruise ship Veendam as part of a seven-day Alaskan adventure 21-28 August 2005. Vice-President Janice Lentz, K4IJK, was the presiding officer. Treasurer/Newsletter Editor Larry McCalvy, WA9JMO; Terry, KA0BHO, & Melba, KA0BAT Hoss; Dick Haxton, KC3AN; and Rita Hale, W1UZR, rounded out the meeting group. Special thanks to Rita for taking our meeting's notes. President Carolyn Harrison, WB0OUM, and Secretary Ann Nutter, VE3HAI, were unable to attend.

Janice opened the meeting and requested a moment in honor of our recent Silent Keys. Minutes from last year's Ottawa meeting were not read (no one remembered to bring a copy). However, our previous meeting minutes are on our Web Page. You may reach it via QCWA's home page www.qcwa.org. Click on Chapter 120's Web page and they should be there.

Under Old Business there was none. New Business mentioned a slate of officers for next year's election which will occur during the QCWA Convention in Calgary. We hope many of you can join us and host Chapter 151 from 28 to 30 September 2006.

We are still looking for current, former and new members of and for the Chapter. Dues are $5 per year, life membership is $50 and we hope to have our quarter newsletters back on track very quickly. I would like to thank those members who email me with contact information and your current activities. If you have an email address, please drop me a note (wa9jmo@wi.net) with at least your contact information. And if you feel a little chatty, please tell me what you have been doing over the past year or so. I will combine everything for the next sYLver Sparks newsletter. I can also be reached by snail mail to 5400 Six Mile Road, Racine, WI 53402-9741, telephone at 262-639-7327, and/or FAX at 262-639-3320. Please write; I'd love to hear from you.

Larry McCalvy, WA9JMO, sYLver Sparks Editor

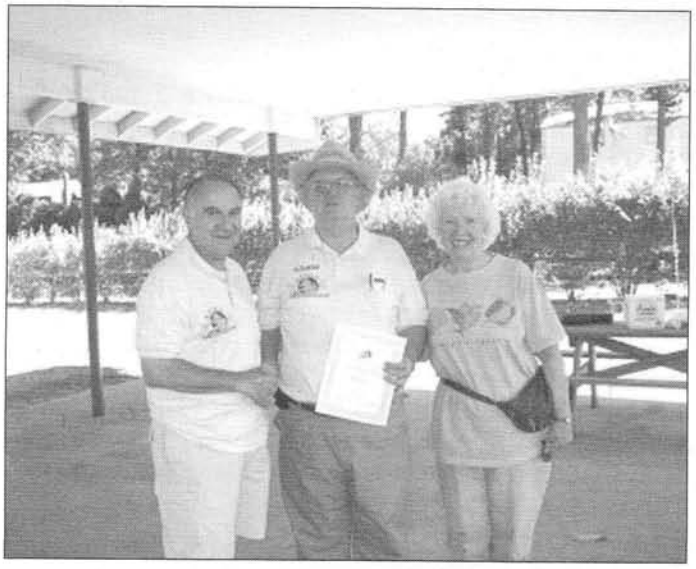
Chapter 138, Marconi (NJ)

Marconi Chapter 138 had a picnic on Saturday, September 10, at the Oakhurst Pavilion in the Oakhurst section of Ocean, NJ. About 20 members and guests attended. Organized by Matt Bregoff, W2AOJ, each attendee brought food to share with the others. As a result, we had a wide variety of delicious food to eat. Ed Roswell, K2MGM, brought a QRP rig and set it up with a portable antenna. Frank Gudicello, K2TVY, brought some digital multimeters which were given as door prizes. A 50-Year Service Certificate was presented to Ed Roswell, K2MGM (see photo). Everyone had such a good time and ate so well that we are considering doing it again in the spring.

Bob Buus, W2OD, Secretary

Chapter 146, Twin State Chapter

The Twin State Chapter was the host Chapter for the New England meeting of QCWA at Mt Tom Recreational facility in Holyoke, Mass. on July 23, 2005. There were five chapters represented. They were: Chapters 77 (Northern New Jersey), 112 (Yankee), 146 Twin State), 149 (Nutmeg), 183



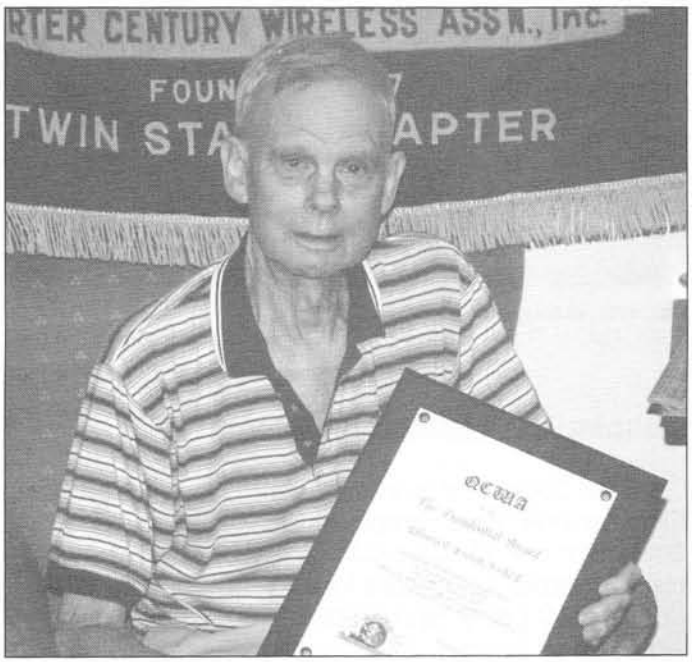
The QCWA 50-Year Service Certificate is awarded to Ed Roswell, K2MGM (center) by Chapter 138 President Bernie Ricciardi, WB2EJT (left). Sharing the spotlight is Ed's wife, Lillian (right).

(Pioneer).

Food was PLENTIFUL and conversation WONDERFUL. A special thank you goes to Norm Gregoire, W1BMK, for a lovely interlude of music both contemporary and "golden oldies". We even had some "big band" sounds. It was such a great day to meet fellow QCWA members. Chapter #146 hopes to do this gathering again next year.

Don't forget our Chapter nets. We meet at 8:30AM Sunday mornings on a frequency of 3.9712mhz. We also have a local net on 2 meters on Mt. Ascutney in Windsor, VT on a frequency of 146.76mhz at 7:00 PM on Thursday evening, which we have referred to as the "dementia" net because some of our members (yours truly is a culprit) forget this meeting. Please come and join us.

Cheryl Breuning, WA1WEY, Secretary/Treasurer



Twin State Chapter member Ted Everett, W1ALE, with his Presidential Award.

Chapter 150, DEL-MAR (VA)

This year Chapter 150 has three members who have been presented Distinguished Member Certificates (Anniversary Awards). They are Jack Salin, W3FKT, 70 Years; Tom Smith, W3LOV, 70 Years; and Frank Wessely, KA3UUC, 65 Years. Most of our meetings are held the second Wednesday of each month at Geyer's Restaurant in Milford, Delaware. The meeting time is 11:30 AM. We sometimes have our meetings at other locations and on weekends to allow those members unable to attend on Wednesdays, an option. Please visit our web site at <http://www.qsl.net/qcwa150 > . Should you visit Maryland's eastern shore, we have a 9:00 AM Sunday morning Chapter 150 net on the - Salisbury,Maryland 146.22/82-MhzJ repeater.

John Willmuth, NQ4Q, Secretary/Treasurer

Chapter 151, Wild Rose, Alberta

Greetings from Chapter 151, Alberta, Canada, your 2006 QCWA Convention hosts . We had our luncheon meeting on September 17th. There were a total of 20 members, friends and guests present. A third meeting of the QCWA National Convention (September 28-30, 2006) planning committee will be held shortly. Details on this convention can be found in the Fall 2005 issue of the QCWA Journal. The registration form will be published in the Spring, 2006 QCWA Journal. For convention updates visit the web site: http://www.qsl.net/ve6afo/convention2006poster.html.

One of our Chapter 151 mandates is Youth Education, i.e., Radio Amateurs of Canada Youth Education program (YEP). Because of our connections we were able to use the Chestermere Lake High School grounds for this year's Field Day. This arrangement between the Calgary Amateur Radio Association and Brian Jackson, VE6JBJ, will create more awareness of the RAC YEP. Since school teacher Brian Jackson ,VE6JBJ , has transferred to Airdrie Alberta we look forward to sponsoring this new school. Also there is a grade 8 student and one of the staff interested in acquiring their license so the Chestermere station will likely be kept in place. We have received word from our school ISS application of future dates for the proposed contacts from Chestermere to the International Space Station. These dates range from November, 21, 2005 to March 27,2006. We will be picking three of the proposed seven dates shortly and the station will be kept on the air until after these contacts.

The luncheon program consisted of a Video Presentation , titled RADON GAS-WHAT IS IT? It explained Radon Gas, it's characteristics and affects on your well being. If Radon Gas exists in your home and is left unchecked, it could cause various health issues.

The present executive, President, Ken Oelke , VE6AFO, Secretary Jack Ambler, VE6CAQ; and Treasurer John Smith, VE6AI, were reelected.

Jack Ambler, VE6CAQ, Secretary

Past President Les Card, VE6CA, (on the left) and Current President Ken Oelke, VE6AFO.

Chapter 154, Leo Meyerson, Greater Palm Springs (CA)

The VERY HOT summer months in the lower desert areas of California are a time to retreat to air conditioned homes or to places where the climate is more conducive to ham and other activities. The author moves to his summer residence in Boise, ID.

During August of each year, the Idaho Society of Radio Amateurs and QCWA Gem State Chapter 201, sponsor a potluck picnic. Bob Ahmann, W7SC, Immediate Past President of Chapter 201, agreed to open his estate to the group. For the event, Emil Oana, K6LGI, VP Chapter 154, and his wife, La Claire, journeyed from Tacoma, WA. Harold Witten, K6TQM, and his wife Joyce, KG6FHU, came from Palm Desert, CA, to join Gene, W4IMT, and his wife, Lucy, for the event.

The food, drink and fellowship were outstanding, but the highlight of the day was a tour of W7SC's spacious home and garage, both of which are dedicated to either the storage of radios and their parts, or the fabrication of transmitters AND receivers. Bob is one of a few hams who build equipment. He designs and builds from scratch both receivers and transmitters. The photo shows his latest accomplishment, a 500 watt AM transmitter. The final is a single 450TL, glowing brightly, driven by a 465A. He is a regular on 75 and 40 meter AM frequencies.

It is with deep regret that we announce Bob Rose, K6KRZ, has become SK. Bob was first licensed almost fifty years ago and was radio active all of those years. After he retired, he moved to the Coachella Valley where he lived with his wife Joyce. Until his illness two years ago, he was involved in many phases of Amateur radio. One was as President of Chapter 154. We will miss Bob.

Leo Meyerson, W0GFQ, our Chapter namesake, is summering at his residence in Omaha, NE. By the time you read this, Leo will be with us in the Palm Springs area.

Gene Pentecost, W4IMT, President

Bob, W7SC; Emil, K6LGI; Gene, W4IMT, with the 500 watt XMTR.

Bob, W7SC, at his operating position.

Chapter 162, Southeast Wisconsin (WI)

As the 2005 QCWA International Convention host, Chapter members completed, its last task, the September 17-18, 2005 QSO party and at this writing is compiling the final logs for submission. The Spring QSO party held April 2-3, 2005 was coordinated so as to have only one W2MM station on each band/mode at one time. A lot of folks worked very hard, putting in many hours during this event to maximize W2MM contacts. And from the feedback we were very successful. Our thanks to Ken Knoff, N9NBC, who coordinated the Spring outing, Al Algiers, W9HR, for gathering, completing and submitting the logs, and all the members who took their time to work the party.

The Alaska Cruise Convention, 21-28 August 2005, was a wonderful event. Pictures and a complete report will be in the Spring issue of the Journal.

At this writing, plans are underway for our Annual meeting and Director's election on the 16th of October. Three Directors are up for election and the Chapter picks up the cost for our meal. Nice incentive for membership!

Larry McCalvy, WA9JMO, has returned from the

Resident 5-day FEMA Integrated Emergency Management Course on Hazardous Materials: Preparedness and Response held at Emmetsburg, Maryland. Most of our members have been working with Dave Voss, WB9USI, our Racine County ARES Emergency Coordinator, setting up and staffing an emergency communication shack at the Volunteer Center of Racine. The station has, or will shortly have, all modes of Amateur Communication available and has been conducting emergency communication exercises during the summer months with plans for at least monthly activities to hone the skills of our Amateur radio community.

Larry McCalvy, WA9JMO

Chapter 166, Colonial Chapter (PA)

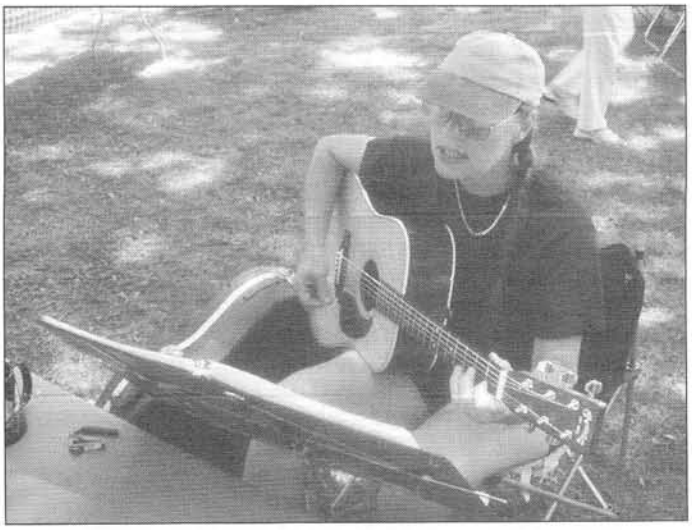
The annual Chapter picnic was held on June 15, 2005. The event was hosted by Woody Sbi, W3TTW, and Alice Findley. 40 members and guests enjoyed a buffet luncheon of pulled pork barbecue and breasted Chicken with all the trimmings. The picnic was held under the tall shade trees on a high ridge north of Parkesburg, PA. The site is the antenna farm for several popular repeaters and offers a scenic view of the farms below. We enjoyed a beautiful cool, breezy day while across the road an Amish farmer and his wife were baling hay using a team of four huge horses to pull the baler and hay wagons.We were also treated by Kathy, WA3VEO, plucking on her guitar thus adding to the ambience of the day.

Chapter director Jim Faries, W3AOA, introduced guest speaker QCWA National President John Johnston, W3BE. John told us how his home Chapter (#20) in Baltimore Md. successfully reenergized itself and increased membership and participation. Their approach included establishing weekly gatherings at local restaurants and manning QCWA information tables at local hamfests. John challenged Chapter 166 to follow suit.

Left to right: George Gadbois, W3FEY; John Johnston, W3BE, QCWA President; Bud Davis, K3AWC; Jim Faries, W3AOA; Joe Potts, WA3AUX; Woody Sbel, W3TTW.

Chapter Director Jim Faries, W3AOA.

Guest speaker QCWA National President John Johnston, W3BE.



Kathy, WA3VEO, plucking on her guitar thus adding to the ambience of the day.

Harry "Bud" Davis, K3WAC

(continued on page 49)

New Members

Winter 2005

Date	Mem. #	Name	Call	City	ST/PR	SPONSOR	SCALL
7/1/2005	33089*	LARSON, JON KARL	K6HLX	GOLDEN VALLEY	AZ	-	-
7/5/2005	33106	RICE, CHESTER T	WA6PAC	KENTFIELD	CA	GEORGE A KLEIN	WR6D
7/6/2005	33107	PARKHURST, RICHARD H	K6PLJ	LOS ANGELES	CA	-	-
7/11/2005	33108	ROUSE, JOHN L	W3JLR	BOWIE	MD	-	-
7/12/2005	33109	SCHRIVENER, RODNEY H	W5GZT	KEARNEY	MO	-	-
7/14/2005	33110	PRICE, JAMES E, JR	N4ST	JERSEY	VA	-	-
7/14/2005	33111	PRICE, MARLA KAY	N4KUP	JERSEY	VA	-	-
7/14/2005	33112	WHEELER, PATRICIA	KA9ALI	TERRE HAUTE	IN	GARY R WHEELER	K9ERE
7/15/2005	33113	FONDREN, BILL	K5PML	FARMERSVILLE	TX	GENE NAILON	K5DLE
7/18/2005	33114	MAHAFFEY, WILLIAM RAY	W6EET	ESCONDIDO	CA	-	-
7/19/2005	33115	OSBORN, ANNA CAROLYN	WS4Z	ROAN MOUNTAIN	TN	HILARY H OSBORN, JR	WU4W
7/21/2005	33116	PETERSON, CHARLES T	W2CFW	BARRINGTON	RI	ROBERT DAY	AA1LG
7/22/2005	33117	RUOKONEN, DONALD C	K3PRN	GLEN BURNIE	MD	LESLIE T JAMISON, JR	WR3X
7/22/2005	33118	MERRITT, BARRETT	N7EQU	PORTLAND	OR	-	-
7/25/2005	33119	HOLMES, DONALD C	KC3II	EASTON	PA	WILLIAM N GOODMAN	K3ANS
7/25/2005	33120	CONEY, JOE ROBERT, II	KB3MGS	COCHRANVILLE	PA	HARRY DAVIS, JR	K3WAC
7/25/2005	33121	ZYSSET, EDGAR H	N8HB	SWANTON	OH	JOHN CARPENTER	K8MNG
7/25/2005	33122	DOWNS, WILLIAM D	WD2E	GREENEVILLE	TN	-	-
7/26/2005	33123	REED, DAVID F	W5SV	AUSTIN	TX	-	-
7/25/2005	33124	KENNEDY, FRANK M	K2TTI	PLATTSBURGH	NY	-	-
7/25/2005	33125	MITCHELL, DAVID	WB2PJH	BRIDGEWATER	NJ	VINCE BIANCOMANO	WB2EZG
7/26/2005	33126	LOCHNER, RICHARD ALLAN	K9CIV	RECTOR	AR	-	-
7/27/2005	33127	WINCHESTER, EDWARD	W0SPV	RAIFORD	FL	-	-
7/28/2005	33128	WYATT, WAYNE W	N5BV	DALLAS	TX	-	-
7/28/2005	33129	PERRY, ROGER L	WA1GCT	COVENTRY	RI	-	-
8/1/2005	33130	MACKEY, JAMES E	K3FN	WEST HARTFORD	CT	JOHN M HEISEY	K2FL
8/2/2005	33131	WOLFE, RAYMOND	K9RI	KENOSHA	WI	KEN KNOFF	N9NBC
8/2/2005	33132	ORGISH, TED J	WB9MVW	CUDAHY	WI	KEN KNOFF	N9NBC
8/2/2005	33133	FISCHER, SAMUEL W	N0XR	MOBERLY	MO	-	-
8/2/2005	33134	FINN, TERRY P	AA6T	SAN CARLOS	CA	-	-
8/5/2005	33135	FERGUSON, STEPHEN F	W4BQE	GASTONIA	NC	-	-
8/5/2005	33136	BOYD, ROBERT C	WA5VSK	LUBBOCK	TX	-	-
8/8/2005	33137	WATT, DAVID W	WB9VNB	FRANKFORT	IL	JAMES T WATT	W9ATT
8/8/2005	33138	STEPHENSON, LEWIS V	WA3SXV	WEST CHESTER	PA	-	-
8/9/2005	33139	GUENTHER, DAVID A	WD9HMD	AVA	IL	KENNETH SCOTT	W9VHL
8/9/2005	33140	TANAKA, TETSUO	AH7C	AIEA	HI	JOHN PETERS	K1ER
8/11/2005	33141	GOLDSTEIN, BRIAN A	AA2NJ	WILLIAMSVILLE	NY	-	-
8/12/2005	33142	SHERMAN, JOHN N, JR	KD0IB	CHANUTE	KS	GARY SHERARD	WA5FLV
8/12/2005	33143	KISSEL, SUSAN J	WB8TTN	SWARTZ CREEK	MI	ROBERT KISSEL	W8KPU
8/15/2005	33144	FINLEY, DAVID R	WB6GJG	FRESNO	CA	MIKE BAVOSO	W6YDE
8/15/2005	33145	FINLEY, JOYCE L	WA6PED	FRESNO	CA	MIKE BAVOSO	W6YDE
8/15/2005	33146	RICHES, WILLIAM A	WA2DVU	CAPE MAY COURT HOUSE	NJ	-	-
8/15/2005	33147	ANDERSON, JIM	VE6JWA	EDMONTON	AB	KEN OELKE	VE6AFO
8/16/2005	33148	WILLIAMS, CLYDE D, JR	W4YQY	EDEN	NC	-	-
8/17/2005	33149	MILLER, HARLEN A	KA9GLX	ALBION	IN	-	-
8/18/2005	33150	GONROFF, JOHN P	NT2D	CAPE CANAVERAL	FL	JOHN SOERGEL	WA2DGC
8/22/2005	33151	SUES, NICHOLAS WESLEY	W7ZMD	PHOENIX	AZ	BOB DAVIES	K7BHM
8/22/2005	33152	HATCH, DAVID G	KI6JQ	CLOVIS	CA	CHARLES MC CONNELL	W6DPD
8/22/2005	33153	SLATINSHEK, JOHN, JR	W9AEM	NEW BERLIN	WI	-	-
8/22/2005	33154	LITTLEWOOD, MARY JO	K4MJL	RALEIGH	NC	CHARLES LITTLEWOOD	K4HF
8/23/2005	33155	SULLIVAN, VINCENT P	W6VPS	FRESNO	CA	CHUCK MC CONNELL	W6DPD
8/23/2005	33156	TULLOSS, DAVID R	K7DRT	TUCSON	AZ	-	-
8/23/2005	33157	BURPEE, BRUCE B	KL7IV	ALTAMONTE SPRINGS	FL	AL LA PETER	W2AS
8/29/2005	33158	HEADRICK, JAMES	W3CP	STANFIELD	OR	LYLE B QUINN	W0US
8/29/2005	33159	PALMER, CHUCK	N4GXU	CORRALES	NM	CHUCK STANTON	W5LBU
8/30/2005	33160	NAP, KIMBEL A	W9NAP	GRAFTON	WI	JIM GLASSCOCK	W0FF
8/31/2005	33161	NICHOLSON, DENNIS	W7TSM	CASPER	WY	TIM BACHMEIER	AB7BJ

* Reassigned

New Members (continued)

Date	Mem. #	Name	Call	City	ST/PR	SPONSOR	SCALL
9/2/2005	33162	PHILSTROM, RICHARD K	KB0NR	SCANDIA	MN	-	-
9/6/2005	33163	BALDWIN, DALE B	WB0QGH	DE SOTO	KS	ALVIN W WIECHMAN	W0ME
9/7/2005	33164	SCOTT, ALAN W	W8KIZ	MARNE	MI	JAMES F BISHOP	W8JFB
9/12/2005	33165	BIEKER, ARTHUR J	WA7OSQ	PASCO	WA	-	-
9/12/2005	33166	BRISCOE, JOHN E, JR	KF4RR	HALEYVILLE	AL	-	-
9/12/2005	33167	NEWMAN, J ARNOLD	W8KZB	ZEELAND	MI	WAYNE HUHTA	W8GXB
9/13/2005	33168	MAC KENZIE, ROBERT	VA3RKM	OTTAWA	ON	-	-
9/14/2005	33169	WETTERAU, LIN C	KA5MDY	SPICEWOOD	TX	-	-
9/14/2005	33170	SHEFFIELD, JIM	KM5M	BASTROP	TX	-	-
9/14/2005	33171	BRIDWELL, KEITH H	WB5TYE	BRIDGEPORT	TX	-	-
9/14/2005	33172	HARELIK, LOUIS M	K5OVW	COMANCHE	TX	-	-
9/15/2005	33173	LARRABEE, ROBERT	W3ITF	DERWOOD	MD	JOHN B JOHNSTON	W3BE
9/16/2005	33174	MARINO, ANTHONY	KB1MKU	MERIDEN	CT	-	-
9/16/2005	33175	ROBERTS, CRAIG	W3CRR	SILVER SPRING	MD	JOHN B JOHNSTON	W3BE
9/21/2005	33176	KNIBB, ROBERT R	K5ME	LIVINGSTON	TX	BOB ROSKE	N0UF
9/21/2005	33177	MOORE, JOHN D	W0YHF	APPLE VALLEY	MN	FRANK SHAW	NU0F
9/21/2005	33178	HANSON, JIM	K0JIM	STRASBURG	ND	FRANK SHAW	NU0F
9/22/2005	33179	BONINA, GEORGE	K3R0O	BURKE	VA	-	-
9/22/2005	33180	STUART, MICHAEL	WB4ETD	CARROLLTON	VA	ALBERT R CRAWFORD, JR	WA4TCJ
9/22/2005	33181	BECHARD, ROGER R	WA2FOY	CLIFTON PARK	NY	ED WHITAKER	K2DLL
9/23/2005	33182	MC GAVRAN, LAUREN P	KQ5D	LOS ALAMOS	NM	-	-
9/23/2005	33183	HASKELL, MARK	WB9UJS	VALRICO	FL	-	-
9/27/2005	33184	YING, HUM	VA3YH	OTTAWA	ON	KEITH BEDAL	VE3GFI
9/27/2005	33185	GRAVEL, ALLAN R	N6NLJ	MODESTO	CA	-	-
9/27/2005	33186	DOSS, LEWIS W	WB6YGX	ARLINGTON	VA	-	-
9/27/2005	33187	BOETCHER, ROBERT F	NE0CQ	OMAHA	NE	DICK NEWSOME	W0HXL
9/27/2005	33188	CAMERON, ROGER J	N8KV	NORTHPORT	MI	JAMES F BISHOP	W8JFB
9/27/2005	33189	TAYLOR, ISHMEL EARL, JR	KC8QS	BAXTER	TN	-	-
9/27/2005	33190	SCHRAUWEN, ADRIANUS J	W6AJS	PALO ALTO	CA	AL MONTOYA	WB6IMX
9/29/2005	33191	KEPNER, ROGER A	W6SQQ	ORANGE	CA	-	-
9/30/2005	33192	STEWART, CHARLES R	KB6UC	CONCORD	CA	-	-

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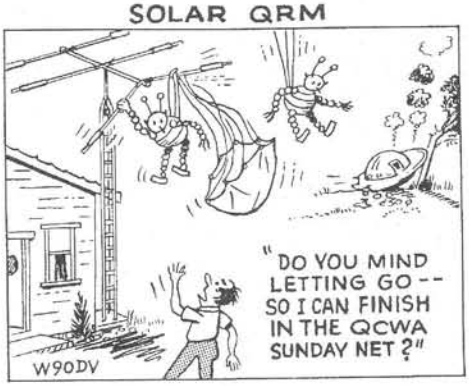

2005 Alaska Cruise

(continued from page 23)

ing Glacier Bay, Sitka, Juneau and Ketchikan before ending in Vancouver, B.C., Canada.

Some members also enjoyed an optional tour to vast Denali National Park, with six million acres of breathtaking scenery. Scenic mountains, tundra, glacier-fed rivers, and wildlife such as caribou, moose, and dall sheep made it a memorable experience.

The sponsor of the cruise was QCWA Southeast Wisconsin Chapter 62. On hand were Ron Fox, VP of the chapter, and Larry McCalvy, WA9JMO, who arranged the event. In addition to the many enjoyable features of the cruise – great vistas, good food, entertainment and numerous interesting shore excursions – there were ham radio activities as well.

On the ship's Lido deck, a ham station was set up with an ICOM IC-7800 and Comet multi-band vertical. There were plenty of opportunities to experience this amazing full-featured rig, and many did just that.

Two Amateur Radio forums were offered, with a variety of subjects presented. Presenters included Norm Wesler, K2YEW, describing the joys of QRP; Ellen White, W2YL, sharing memories of life at ARRL headquarters; "Dee" Logan, W1HEO, outlining the Cleveland Ham Radio Promotion Project plus chapter newsletter tips; Bob Whelan, G3PJT, showing slides of his contesting adventures in West Africa with the Voodoo Contest group; and Chip Margelli, K7JA, telling the behind-the-scenes story of his appearance on the Tonight Show in which his Morse code message handling was faster than a competing text messaging effort.

Blue ice glacier in Glacier Bay, Alaska, seen from the QCWA cruise ship Veendam.

There was plenty of outstanding Alaskan scenery to be enjoyed on the cruise. Glacier Bay gave us an up-close-and-personal look at blue ice glaciers and snow-topped mountains. Juneau surprised with a temperate rain forest and gave us first-hand experience panning for gold. Sitka reminded us that Russia once owned this land and its cultural influences still remain. Ketchikan's many totem poles reminded us of the many native tribes who inhabit this land.

QCWA members took advantage of opportunities for fellowship during the cruise. On board and during tours, there was plenty of fun and joking. For the thirsty among us, refreshing social hours were available. And, for those starved for radio activity, the ham station served as a gathering place.

The bottom line? "The cruise went well," says Larry McCalvy, WA9JMO. "There were a few glitches, but the ship's staff was very understanding of our radio needs. We thank ICOM and Comet Antennas for their support." ■

> *"On the ship's Lido deck, a ham station was set up with an ICOM IC-7800 and Comet multi-band vertical. There were plenty of opportunities to experience this amazing full-featured rig, and many did just that."*

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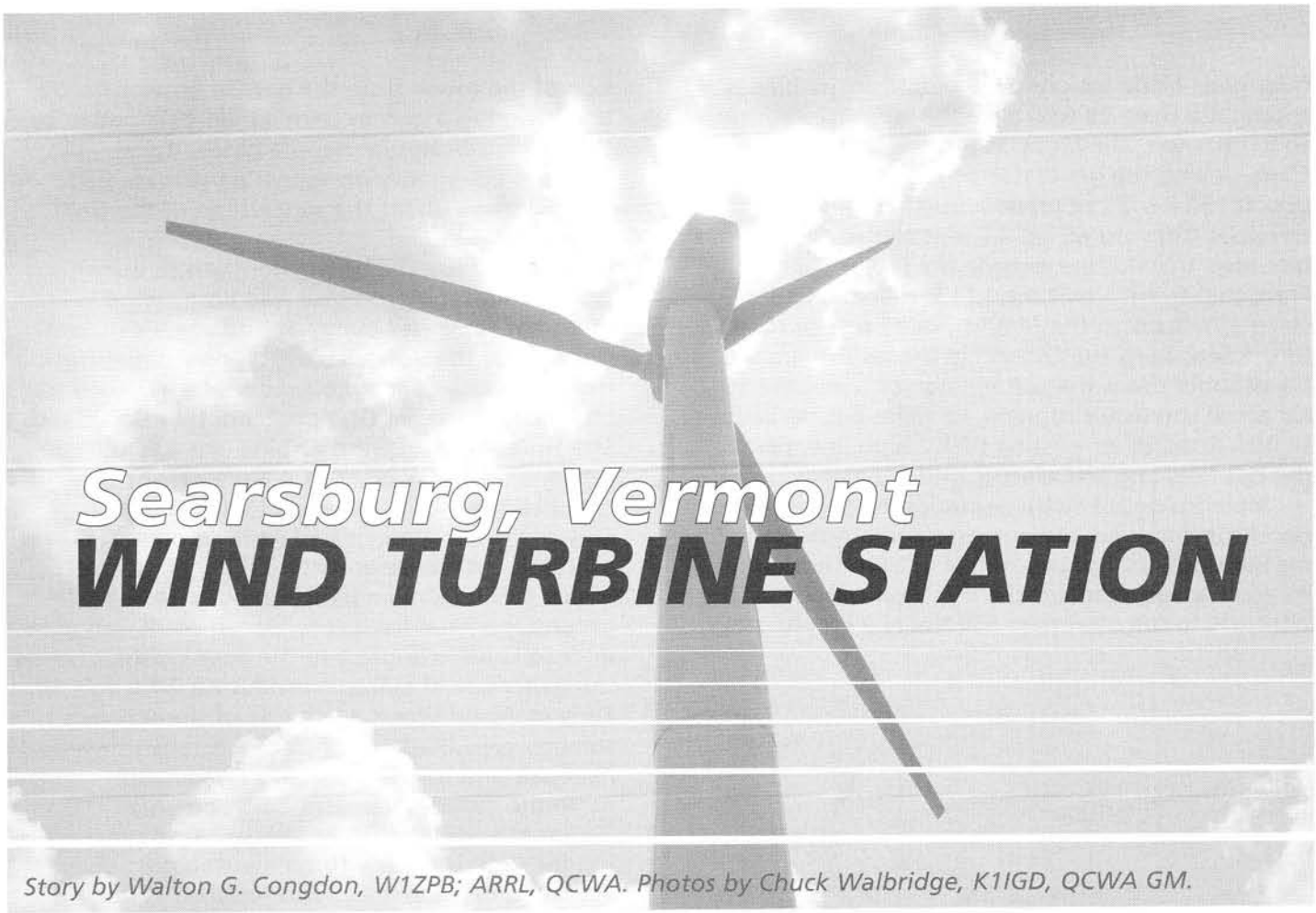

Searsburg, Vermont
WIND TURBINE STATION

Story by Walton G. Congdon, W1ZPB; ARRL, QCWA. Photos by Chuck Walbridge, K1IGD, QCWA GM.

The Searsburg wind electric generating site on Mount Waldo is owned and operated by Green Mountain Power (GMP) Corp., Vermont's second largest utility, of Burlington, Vt. Built by Zond of California as prime contractor in 1996 using state of the art technology, it came on line in June of 1997 as the first utility scale wind farm east of the Mississippi and is still the only utility size wind farm in New England. It is on about 35 acres of leased land. I have been a non-employee visitor guide at Searsburg since the Open House celebration in July 1997, as part of the education and community outreach component of the site license.

Searsburg was selected for participation in the US Department of Energy (DOE) harsh environment Utility Turbine Verification Program. The Electric Power Research Institute (EPRI) and DOE contributed $3.5 million of the $11 million cost of the station, making data from the first three years of operation available to the entire US wind industry. The special cold weather package included black fiber glass blades with a smooth rime ice shedding coating, heated hydraulics and lubricants, tubular instead of lattice towers, and specially formulated steel subject to minimum embrittlement at low temperatures for the tower, gears and bolts.

Each of the eleven Zond Z-40 550 Kw wind turbines at the Searsburg station has a generating capacity sufficient to supply the electrical needs of almost 200 average homes. In a year the 6MW wind farm generates about 14 million KWh of electricity and displaces about 23 million pounds of carbon dioxide by not burning fossil fuels to make electricity. The machines are horizontal axis upwind type with a swept blade diameter of 132'. The three blade hub is housed in a nacelle 132' above ground atop a tubular 24 sided steel tower made in two 64' sections thirteen feet in diameter at the base, bolted to a concrete foundation three feet thick and 36' square covered by two feet of rock overlay. The towers are designed to withstand a 150 mph wind. The highest wind speed measured on site was a 129 mph micro-burst in July 1994. Based on nearly twenty years of meteorological data the average wind speed is 17 – 18 mph from the west-northwest. With an availability factor around 98% the turbines generate over 80% of the time.

The nacelle covers and protects the integrated drive train that combines the main shaft, gearbox and yaw system, and the generator and hydraulic system. Each turbine and its tower components weigh almost 60 tons. The highest tip of a blade is 198' above ground. Each 64' long hollow flexible

fiber glass blade weighs 4250 pounds. The blades rotate at a fixed 29 rpm once the wind speed is up to 8 – 10 mph. The blade axle connects to the gear train, driving the generator at 1200 rpm. The 5500 pound 550 Kw three phase induction generator develops 480 volts 60 hz. AC sent to the pad mounted transformer outside the tower base. From that transformer the 12 KV collection lines come a mile down the Mount Waldo service road to the Searsburg substation. In the switchyard a transformer raises the voltage again to join the 69 KV aerial connector running 1.5 miles beside Sleepy Hollow Road to an existing 69 KV high line, part of the ISO New England electric grid.

Meteorological instrumentation on top of a nacelle includes an anemometer and a wind vane for individual computer control of each turbine. As wind speed increases the electrical output increases to the maximum 550 Kw at 29 mph. At

Wind Farm, Searsburg, Vermont.

wind speeds above that value the blades furl or pitch out to dump some of the wind, until at 65 mph the blades are fully furled and the machine shuts down. As wind direction changes, the yaw motor rotates the nacelle horizontally (in azimuth) to face the turbine into the wind. Turbine operation is fully automatic, controlled by the local computer. There are some 64 types of data sent between the nacelle and the computer in the tower base. This data is also forwarded to the substation master computer SCADA system, and is accessible by telephone modem from remote locations. There is only one full time station technician; OSHA requires a second person be called in for routine or unusual maintenance requiring climbing the interior ladder to the nacelle. Preventative maintenance is regularly scheduled. A yearly safety drill includes rappelling down the outside of the tower from the nacelle bottom hatch, and lowering a gurney with a man strapped in to the ground from that nacelle hatch. Local police, fire, and emergency personnel participate with GMP workers under the supervision of the GMP Safety Officer.

Vermont has the usual twentieth century history of Dempster, Aeromotor and Bergy wind machines for water pumping and electric generation before the Rural Electrification Administration. It also has one of the most unusual early wind turbine installations at Grandpa's Knob near Rutland. The Smith-Putnam wind turbine was a two blade down-wind 1 MW giant that went on line in October 1941 for the Central Vermont Public Service Corporation. It had variable pitch and yaw, a 175' swept diameter rotor, 117' "hub height", about 195' maximum blade tip height above ground, nominal fixed rotor speed of 29 rpm with a "fluid drive" coupling to the gear system to drive the generator at 600 rpm producing 2400 volt AC. Early in World War II it lost one of the stainless steel covered blades; war steel shortage prevented its repair and it was eventually dismantled.

In the eighties Vermont Environmental Research Associates (VERA) began wind prospecting for GMP. An early turbine installation appeared on Mount Equinox in Manchester and data gained from that severe weather site proved useful in the final choice of Searsburg at a slightly lower elevation and better wind profile with less rime ice.

Multiple factors were involved. The annual average wind speed at Searsburg is 17 – 18 mph from the west-northwest. Trees on the ridge line show distinct flagging (shorter branches up wind, longer branches down wind) and bending. The ridge line is roughly perpendicular to the prevailing wind direction so up wind turbines will not experience "drafting", or the turbulence of wind departing from an in line turbine ahead of them. There were already existing paved state highways, so only about 1.5 miles of access roads had to be built. There was an existing high tension line (69 Kv) about 1.5 miles from the proposed substation. All environmental factors (small and large mammal, small and large avian, rare plant species, wetlands, archeological and historical) were favorable. The site was not particularly visible nor adjacent to recreational uses. Keeping the blade tips at 198' above ground avoided the FAA requirement of tower lighting. As a result of many meetings with the local populace initial acceptance was high and increased a year after the station came on line.

By today's standards the Searsburg wind gener-

(continued on page 53)

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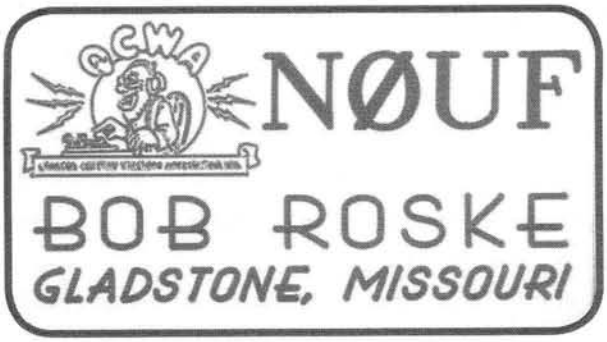

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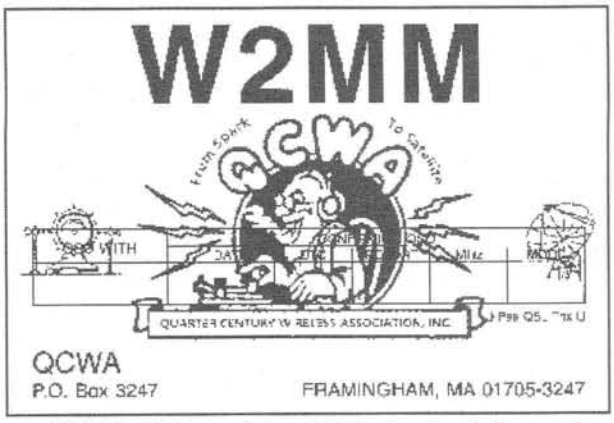

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RANDOM RECOLLECTIONS OF AN OLD HAM

OTHER MEMORIES

A Journalistic History of The Life and Times in Amateur Radio of George Hart, W1NJM
by George Hart, W1NJM

The post-war period from 1946 through most of the sixties was one of great activity in amateur radio on my part. It was a big part of my life, but I had family duties to attend to as well as a home to maintain, children to raise, family matters to consider - not just my wife and two boys, but our mothers, brothers, sisters, in-laws, cousins. Sometimes I wonder how I handled it all and have frequent memory flashes of past events. Even all my amateur radio pursuits cannot be adequately covered here.

Since we are still in the 50's, I will relate my trip to witness, as a representative of ARRL, the detonation of an atomic device termed "Operation Cue." This was one of the few detonations of an atomic device open to the public but on a strictly invitation basis. It was to held at the Atomic Energy Commission's Nevada Test Site at a location called Yucca Flat, some 90 miles from Las Vegas near a dry lake bed in the vast Nevada desert almost devoid of vegetation. The League's invitation to attend was based on our publication, QST magazine, and the League's general interest in emergency communication via RACES. Upon my arrival in Las Vegas in April, 1955,1

"Upon my arrival in Las Vegas in April, 1955,1 found myself in the company of a horde of newspaper reporters, radio and TV commentators and civil defense directors and employees, about 200 people in all."

found myself in the company of a horde of newspaper reporters, radio and TV commentators and civil defense directors and employees, about 200 people in all. Las Vegas was crowded, as always, and accommodations were difficult to impossible to obtain. I wound up in a very small and unpretentious hostelry in the city, not on "the strip," not far from Fremont Street and the center of a myriad of gambling casinos. I had to share my room with another attendee; this turned out to be a reporter from the Shreveport (La.) Times, a man named

" I will relate my trip to witness, as a representative of ARRL, the detonation of an atomic device termed 'Operation Cue.' This was one of the few detonations of an atomic device open to the public but on a strictly invitation basis."

Richardson, who was under assignment to report the "shot" for his paper. Richardson was a typical reporter, outgoing to the point of being pushy, very socially inclined, and a heavy drinker. Nevertheless, we got along well together and spent much of the following few days in each other's company.

There were three or four days of orientation lectures and a lot of pamphlets passed out, then the trips to the site started taking place. The day before the detonation was to occur, all 200 of us piled into Greyhound buses to travel the 90 miles out to AEC's Nevada Test Site. On that first day we visited "Doom Town," a group of buildings erected specifically for the purpose of being blasted. This was the closest that media observers, such as myself, were permitted to be. The 500-foot shot tower atop which the device was located, a mile away, loomed large in the clear desert air. I could hardly believe it was that far away. An elevator provided access to the device on top of the tower but of course we were not allowed to go anywhere near it. More lectures and explanations followed, more literature. The structures were made of many different materials to test their durability to a 15K atomic explosion. K was the measure of the power of the atomic bomb that destroyed Hiroshima in 1945, which was equal to 25 kilotons of TNT. This device was 15 times the power of the Hiroshima bomb. "Doom Town" also had power lines strung around and through it and a 1000 watt radio broadcast station which would be transmitting when the device was detonated. Many of the spectators looked apprehensively at the distant tower housing the device, but we were assured that there was absolutely no danger of an accidental detonation.

"...It had several antennas mounted on it and was jacked so it would not move. I "hung around" outside until someone went in or out and saw, through the opened door, a potbellied stove and a figure crouched over it whom I recognized."

The next day we were again transported to the site, this time to Media Hill where we had a clear view of the shot tower eight miles away, with the expectation of observing the shot. Volunteers were solicited for occupancy of the 10,000-foot trench - that is, ten thousand feet, or approximately 2 miles, from the tower to observe the effects of the detonation at that distance. I volunteered but was turned down, for the 10,000-foot observers were restricted to civil defense personnel, who were to be instructed in detail before the shot. I can't say I was disappointed. Being only 2 miles from a 15K atomic detonation was a daunting prospect, even with all the precautions that were to be taken. The 20 forward observers were transported to the 10,000-foot trench. The rest of us remained on Media Hill, 40,000 feet from the tower. We were again indoctrinated and issued dark glasses, through which the sun would appear to have the brilliance of a single candle. The device, when detonated and viewed through the glasses, would light up the landscape like brilliant sunshine. We were warned not to try to view the detonation by any means except through the glasses, otherwise permanent eye damage could result. We left Las Vegas at about 9 p.m., arrived at Media Hill at about 11 p.m. and awaited the "shot," which was scheduled to occur at about 5 a.m. It was chilly in the bare desert at night. I wished I had brought warmer clothing, but in the heat of Las Vegas during the day this seemed unthinkable. Although the weather was clear with stars visible and only gentle breezes, the shot was postponed at 2 a.m. because of unfavorable "sheer" winds aloft, which could result in fallout from the shot descending on a populated area. Back into the buses we went, back to Las Vegas. Richardson and I had some breakfast in the diminutive restaurant in our diminutive hotel, after which I hit the sack, but Richardson took a taxi down to the Strip. When I arose at about 2 p.m. he was in bed, clothes strewn about the room.

The shot was postponed five times before 7 p.m. on the following days, most of which seemed clear and balmy, but authorities refused to detonate the devise until they were sure conditions were exactly right, with winds aloft in the proper direction to assure that fallout would not occur in any area populated by humans. On four additional occasions the buses were loaded and we were transported to the site but the shot was postponed at 2 a.m.. Richardson and I, after the second postponement, developed a schedule by means of which one of us would go out to the high school, the assembly point for the media trips, every day to ascertain if "the shot is on," after which we would call the other person on the telephone and inform him. Five times the shot was postponed and we had the evening to ourselves. Four times it was "on" and we made the trip out there only to have it postponed again and have to return. When the shot was "on" and the trip took place it usually meant loss of a night's sleep. Richardson slept very little, spent much time at the Strip drinking with buddies and flash acquaintances. I tried to keep up with him the first three or four times, then gave up and went my own way. I was a few years older than he and not an experienced drinker - at least not his kind of drinking. I looked up a ham in Las Vegas who I knew to be the emergency coordinator appointee and spent some time operating his station, managed to make contact with someone at home and sent a message or two to Louise. After about the fifth postponement I wired Budlong, the League's general manager at the time, asking if I should stay on or come home. Many of the media observers were leaving. He wired back telling me to stay with it until the shot was fired if it took all summer. It was late April. I was ready to go home, tired of losing sleep, tired of playing the slot machines, running short of money and patience. Richardson was quite content to stay on but his paper gave him a deadline.

One day when I visited the high school to ascertain status, I was surprised to find that the shot was "on." It was a relatively chilly, cloudy evening with stiff breezes. I nevertheless phoned Richardson and climbed aboard a bus. The weather hadn't improved when we arrived at Media Hill, but we were told that the weather on the surface was not the deciding factor; it was conditions aloft, at about 40,000 feet, that mattered, and these were promising. A stiff breeze was blowing and about 2 a.m. some sleet started to fall. There was no shelter available for the media people except in the buses, and even these were not heated while parked, but I spied a large bus parked nearby which had a sign on it: "California Civil Defense Communications." It had several antennas mounted on it and was jacked so it would not move. I "hung around" outside until someone went in or out and saw, through the opened door, a potbellied stove and a figure crouched over it whom I recognized.

(continued on page 47)

MEMBER CLASSIFIED

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FOR SALE: Drake TR-7/TR-7A/R-7/R-7A Service . Includes 13 Extender Boards and Digital Jumper Card. $63.85 includes postage. See http://www.atnet.net/~rsrolfne Bob, W7AVK, 807 Westshore J28, Moses Lake, WA 98837, w7avk@arrl.net, 509-766-7277

WANTED TO BUY: A pair of 3-500Z tubes for a linear rebuild project. Chimneys also needed. If you have a set that you can part with, please e-mail or call, Thanks, Mike Williams W4DL. member #28039 954 275-6816. Email: mj451@bellsouth.net

FREE: 60-years of QST and CQ Magazines. Must pickup in Lubbock, Texas, else in the trash. Phone 806 794 4995 or email: RobtGMc1@aol.com

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"Ken Hughes!" I shouted. "Is that you?"

It was indeed - Ken Hughes, W6CIS, an ARRL director whom I knew well and admired. He invited me in, gave me a sandwich and a cup of hot coffee, introduced me to some of the communications personnel aboard, some of them hams. I spent several hours jawing with Ken and his cohorts in the bus, while Richardson walked around outside flapping his arms and freezing. At 5 a.m. the shot was again postponed and we bused back to Las Vegas. Richardson said he'd had it, that he was ordered back to Shreveport, and made a plane reservation for the next day. We went out that evening and hung one on with several of his buddies, and saw a risque show on the Strip. The next evening, before 7 p.m., I bade him farewell before I left for still another trip to the test site. He was scheduled to take off early the next morning. At the high school I was told that the shot was "on" again, and I resigned myself to another boring trip

"There was no sound. We were told to remove our dark glasses and observe the cloud as it went through red, purple, brown. The brown mushroom formed with its white cap, and at ground level the rapidly-expanding dust cloud formed and spread outward."

out there and back. When we got there, however, we were told that conditions were ideal and in all probability the device would be detonated. I still didn't believe it, but at 4:15 the announcement came over the loudspeakers posted around the area that the shot was definitely "on." There followed a short period of instructions, then

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"This last trip to the test site was not to Media Hill but to "Doom Town," one mile from the shot tower, which was no longer there, where we observed the effects of the shot on the various installations and were served a meal by a civil defense emergency feeding team."

we waited, frequently glancing at our watches. At 15 seconds before 5 a.m. we were told to don our glasses, those who did not have them to turn their backs, and the countdown continued.

At exactly 5 a.m. the device was detonated. A blinding flash of light appeared and a sudden wave of heat hit us. There was no sound. We were told to remove our dark glasses and observe the cloud as it went through red, purple, brown. The brown mushroom formed with its white cap, and at ground level the rapidly-expanding dust cloud formed and spread outward. Cameras clicked, movie cameras whirred, accompanied by exhalations and exclamations from the crowd, which started milling about and a babble of conversation started. The mushroom cloud rapidly dispersed as it rose into the "sheer" winds aloft. Forty seconds after the detonation the sound wave hit us, a sudden BLAM! which stirred up a lot of dust, which we were assured was not radioactive. I had forgotten about the sound wave and it nearly knocked me over. There was no rush of wind or heated air that I could perceive. Within three minutes all that was left was the remnants of brown clouds aloft and the rapidly-expanding dust cloud on the surface. The 500-foot shot tower as no longer visible.

The next day we made our last trip out to the site. Richardson was no longer present. I learned later that he had seen the glow of the shot on the horizon from the Las Vegas airport and had kicked himself for not having stayed one day longer. After that I never heard from or about him again. This last trip to the test site was not to Media Hill but to "Doom Town," one mile from the shot tower, which was no longer there, where we observed the effects of the shot on the various installations and were served a meal by a civil defense emergency feeding team. The concrete block houses had withstood the blast fairly well, but all other types of construction were completely demolished. The radio station, which was in a blockhouse, was off the air but considered salvageable. The utility poles with electric and telephone wires on them were mostly on the ground, snapped off at the base or slightly above. Other test devices in the area were being examined by scientists. I interviewed a couple of hams who were paid civil defense people and had been in the 10,000-foot trench. They were a little "shook up" but quite lucid and apparently suffering no lasting ill effects.

The *QST* write-up appeared in the August 1955 issue.

This was the first of nine visits I made to Las Vegas in the ensuing years. The place is everything I abhor, but somehow it holds me with a strange fascination. I have never visited any of the Atlantic City casinos or those run by the Indian tribes in Connecticut and never intend to. Four of my nine Las Vegas visits were on business, the other five being on my own in passing through or accompanied by my wife or/and someone else. No details on my other visits, because most of them had nothing to do with ham radio. One of them was at the request of the manager of the Sahara Hotel on the strip, who wanted to confer with someone from ARRL concerning putting on a ham convention. On that occasion I spent about 2 hours with the Sahara sales manager and told him how ARRL conventions were handled. In appreciation, they picked up my hotel bill, including all meals and a free show in their theater to which I was allowed to invite as many as three people. They finally decided not to seek ARRL sponsorship or recognition and put on their own version of a "hamfest," which was so successful that it was put on annually for several more years and became known as SAREC, and at least once was recognized as an ARRL convention, thanks to me good graces of a local ardent supporter and volunteer official in the person of Leonard Norman, W7PBV. ■

In the next installment, George relates details of the October 1953 W1AW fire.

CORRECTION: In the QSO Party List the Journal incorrectly stated Gary Sherard's callsign as WA5FVL. His correct callsign is WA5FLV. Sorry for any confusion this may have caused.

CORRECTION: In the Summer 2005 issue the Journal was given incorrect information and we would like to make an apology and a correction. Kevin Arber, W3DAD was incorrectly listed as a Silent Key. The Journal apologizes for this listing and we hope Kevin stays out of the Silent Key list for a very long time.

Chapter 169, Sacramento Valley (CA)

Chapter 169 meets monthly at Carrows Restaurant located at 4601 Watt Avenue in North Highlands, CA. The restaurant is on the west side of Watt Avenue just north of the Interstate 80 Freeway. Meetings are held on the second Wednesday each month.

Our programs during the last quarter included a video on the 'creation of the universe' and a presentation from the Veterans Committee of the Daughters of the American Revolution. Marj Green from the Committee has been working on the "Veterans History Project" for the Library of Congress. Their goal is to get as many stories of war veterans as they possibly can and she showed a video of an interview of our own member, Jim Jolly, W6RWI. Jim served in the Merchant Marines and had a very interesting story.

A 65-year Service Award was presented to Jim Jolly, W6RWI; and 70-Year Awards to Norm Brooks, K6FO; and Don Johnson, W6AAQ by Paul Wolf, W6RLP, Chapter President and Gary Stilwell, KI6T, Chapter Secretary.

The change of meeting time has been working well. So come join us at 9:00 AM. Troops start gathering at 8:00 AM for the no-host breakfast. YLs are always welcome. For further information please contact our President, Paul Wolf, W6RLP, at (916) 489-8112.

Gary Stilwell, KI6T, Secretary/Treasurer

Chapter 175, Oregon Coast (OR)

Congratulations to Don Margeson, W7DS, and Sandy Temple of Sand Lake, Oregon, who exchanged wedding vows in early October. Don, along with several other Chapter members, make up the ARRL VE Test team in Lincoln City. Maryellen Vaughn, W7CKD, now resides in our area. She is the secretary for Chapter 160 in Utah and is still active there. Bruce Bjerke, K7BHB, from Florence is another new person in the Chapter. Beckley Chew, AE7S, and his wife Katie, were visitors at our September luncheon. Bryan Hoffman, W7BJB, and his wife Pat, dropped in for a visit to our summer meeting. Chapter 175 covers the Oregon Coast and welcomes any QCWA visitors who are in the area to attend our luncheons.

High altitude aerial balloon research and test flights will be a topic for one of the luncheon programs in 2006. Bob Moody, K7IRK, is the manager for GSSL, Inc., here on the coast. They launch numerous test projects for NASA, NOAA, JPL, and other customers. Bob's flights go well above 100,000 feet and provide test platforms for future space flight subsystems, such as Mar's landing cameras.

The Oregon Coast Chapter meets every two months for a luncheon at the Surfrider Resort north of Depoe Bay, Oregon on Highway 101. This is usually on one of the last Saturdays of the month at 1 p.m. These luncheons are fun and informal with an outstanding window view out over the Pacific Ocean. Spouting whales may be seen offshore at this time of the year. Contact W7LI@arrl.net for meeting information. At press time, the next meeting dates being scheduled are December 10 and January 28. Election of new officers will be at the January meeting. President Armand, W7IG, and Secretary Carl, W7LI, have completed 3 years in office and look forward to a change of the guard. Both parties wish to thank all those who helped make this a successful Chapter since it was chartered in 1990.

Carl Somdahl, W7LI, Secretary/Treasurer

A 65-year Service Award was presented to Jim Jolly, W6RWI; and 70-Year Awards to Norm Brooks, K6FO; and Don Johnson, W6AAQ by Paul Wolf, W6RLP, Chapter President; and Gary Stilwell, KI6T, Chapter Secretary.

Chapter 181, Hudson Valley (NY)

The quarterly meeting of the Hudson Valley QCWA chapter #181 was held on 9/17/05 in the Jackson & Wheeler banquet dining room in Pleasantville, NY, The social hour started at 11:30 AM followed by lunch at 12:30 PM.

After lunch we had our usual roll-call introduction of each member and XYL announcing their name and call letters. The 2005 officers are Sy Yuter, W2NBT, President; Harrison Moore, W2JQS, Vice President; Stan Egelberg, W2WQK, Treasurer; Louis Leonard, WA2UIJ, Secretary. All officers except Louis were present and so were many of the members and their lovely XYLs.

After a marvelous lunch, we were treated to a non-technical speaker, Theodore Merkin, who is a retired civil engineer and in retirement has written

Stan Egelberg, W2WQK, Treasurer

Stan, W2WQK, presented Dick Robinson, W20ZA, with his 60th-Year Certificate.

a book on vital knowledge required concerning the necessities of preparing information for the executor of someone's estate.

Following Mr. Merkin's significant talk, Stan, W2WQK, started the business aspect of the meeting by presenting his Treasurer's report and informing the Chapter of our positive financial position. Since our Secretary was absent, Stan presented Dick Robinson, W20ZA, with his 60th-Year Certificate, while Dick's XYL Barbara photographed the auspicious moment.

At this point our President Sy Yuter brought up some different motions for the club members to vote on and then the business part of the meeting was over. However, we never close a meeting without our usual wine-bottle raffle. The meeting closed at 2:30 PM

Stan Egelberg, W2WQK, Treasurer

Chapter 198, Mid Sierra (CA)

At the Chapter 198 Fall meeting President Dave Mendenhall, WA6ZIS, presented our new neighbor chapter, Fresno Chapter 213, with an official QCWA Banner. This is one of the new style banners and it brought many compliments from the assembled group.

Scott Hill, K6IX, Secretary

Chapter 205, Eastern Indiana (IN)

We were delighted to learn that our nominee for the Presidential Honor Award, Ron Stier, W9ICZ, was selected to be one of the recipients. It was difficult to keep the selection secret, especially after the actual Award arrived in my hands and I saw how impressive it was! The Chapter President, Herb McAdams, N9XC, and I plotted a surprise presentation at the September meeting of the local club, and Herb used the pretext of awarding me a 50-Year Service Award to get on the agenda. Since all

Chapter 198 Members, from left to right, Jerry Thompson, WA6ONA; Wes Johnson, W6YWH; Virginia McGowen, WB6BZZ; Scott Hill, K6IX; Don Pearson, W6WWT; Walt Greene, AA6LY; George Wear, W6RFL; and Dave Mendenhall, WA6ZIS present a new QCWA Banner to Chapter 213 Secretary/Treasurer Charles McConnell, W6DPD (right).

our Chapter members are also members of the White Water Amateur Radio Club, and comprise nearly all of the executive officers of the club, it seemed the most fitting setting for making the presentation. Ron was quite surprised, and we were all happy to be able to bestow the Award with so many more in attendance than would have been the case at one of our Chapter gatherings.

Our Chapter Vice President, Mike Chambers, W1IDX, in addition to being the WWVARC Vice

Herb McAdams, N9XC (left), with John F. Strain, W9MIU.

Left to right: Herb McAdams, N9XC; Ron Stier, W9ICZ; and John Strain, W9MIU.

President and the coordinator of the local SATERN group, has undertaken the publication of quarterly Chapter newsletter. It is available in electronic and printed form, and is called the "Pipe and Key," based on the QCWA logo. He and the W1IDX Group continue to oversee the two repeaters in Richmond on 2M, along with the repeaters on 1.25M and 70cm, ensuring a wide range of repeater options for local communications. Mike has also started a weekly SATERN net on Sunday nights, drawing a number of local amateurs in addition to SATERN members.

I should also mention that Charlie Philhower, WA9KZC, continues to contribute to Amateur radio activities on many levels, including recent changes to the WWVARC club station located at the Red Cross in Richmond, and acting as net control for the area 2M net on Sunday nights. Charlie is another of our members who plays an ongoing critical role in local radio activities. We are fortunate to have so many senior Amateur radio operators available to the newcomers to our hobby in this corner of the state.

John F. Strain, W9MIU, Secretary

Chapter 211, Neosho Valley (KS)

This Chapter is located in SE Kansas in the Valley of the Neosho River. The Valley extends south into the NE corner of Oklahoma. As time goes on, we hope to provide a meeting place for eligible hams in the KS, OK, MO area. Currently we are meeting in Chanute, KS.

Although a small Chapter, we have a wealth of experienced operators. It's a real treat to gather for fellowship talk over the past, present and future of ham radio.

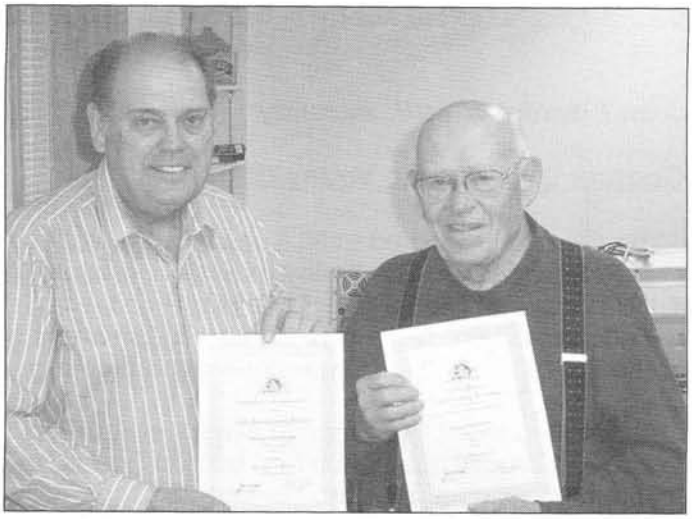
Current plans are for a family picnic when the summer heat passes. October 9 is the Chanute Area Ham Club ham fest. Again this year QCWA will have a table and recruit new members. A date conflict with 2 larger cities and the high cost of gasoline will hamper attendance but it's always a huge success when you can gather such a wide variety of hams.

The next Neosho Valley Chapter meeting will be August 27 with a guest speaker. KB7NMN, an Associate Pastor of the Lutheran Church, will give a program about radio in Africa. While on mission assignment in Africa, Dan used ham radio and church frequencies to communicate over a large area. The program this time will be about gathering equipment and the process of establishing a radio station in Africa. Not necessarily ham radio, but interesting none the less.

Information about our net and meeting times/place can be gathered from the QCWA web site under Chapter 211.

Gary Sherard, WA5FLV, Secretary

Hoyt Wilhite, K0ADV, and right, Jon Wood, W0UHL, President.



Hoyt Wilhite, K0ADV (left), receiving 50-Year Certificate from Chapter 211 President Jon Wood, W0UHL, at a recent meeting.

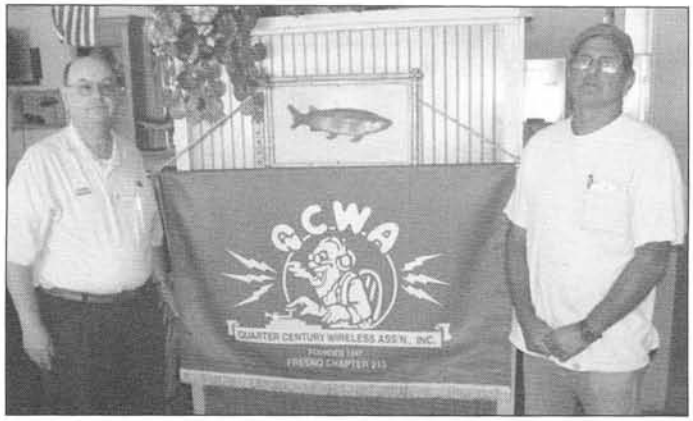
Chapter 213, Fresno (CA)

WQ6CWA and W6GV were active in the QCWA Spring QSO Party. W6GV placed 29th on CW/Digital, WQ6CWA placed 12th on phone, and HB9MX placed 23 in the mixed category. Our Chapter continues to grow, now with 37 members. The May meeting featured some classic receivers brought in by Bob, W6RUJ, from a museum in Reedley, CA. We lost Bob Bondurant, W6RUJ, a charter member and Director of the Chapter on June 12, 2005. Rest in Peace, Bob. Members of the Chapter participated in Field Day with the Fresno Amateur Radio Club. The Chapter had a table at the 63rd Fresno Hamfest in August of 2005. New members were recruited for QCWA, and QCWA merchandise was sold. Several of our members served on the Hamfest committee. The Chapter finally received the banner. The new banner looks very nice. The new manufacturing process is a winner. Thanks to Mid Sierra Chapter 198 for purchasing the banner for our Chapter. Secretary/ Treasurer Charles McConnell, W6DPD, was awarded a Meritorious Service Award by the Chapter for service to the Chapter and to Amateur Radio. Our Chapter was active in the fall QSO Party as WQ6CWA. More stations in the QSO party should check 15 and 10 meters. Our Chapter now has 43 members.

Charles McConnell, W6DPD, Secretary/ Treasurer

■

Charles McConnell, W6DPD, (L), receiving the Meritorious Service Award from Chapter President Mike Bavoso, W6YDE, (right).



This picture has (L) Charles McConnell, W6DPD, S/T and (R); Mike Bavoso, W6YDE, President, with the new Chapter banner.

Chapter 206 Award!

Ted Chernin (KH6GI) on the right passes a 70-Year Gold certificate to Joe Fenn (KH6JF) on the left. Ted is approaching 75 year mark soon.

(continued from page 42)

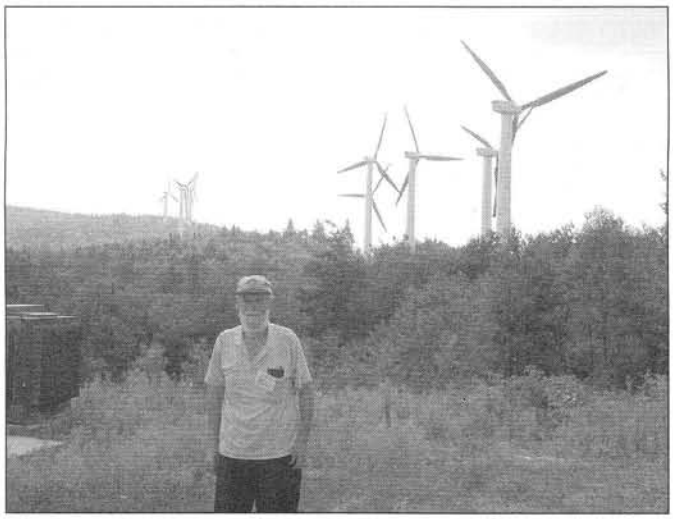
ating station is very small (6 MW); now nobody makes turbines of this size for the utility industry. The rate of technological progress in the wind industry exceeds that of the telecommunications or computer industries. The growth rate of installed wind generating capacity is about thirty percent per year over the last five years. While Searsburg has been successful and is still working as designed, GMP with VERA and a large wind developer is looking at a significant increase in the station size using modern machines. Two years of collaborative meetings of all involved parties have already taken place. The Special Use Permit application to the National Forest Service has been submitted, local meetings have occurred, and the start of the Draft Environmental Impact Statement is underway. If this proceeds successfully it will be the first wind farm in a National Forest, the Green Mountain National Forest.

Despite improved efficiency and conservation techniques the demand for electricity is increasing. Up to now much of it has been generated by fossil fuels (coal, gas, oil) that contribute to global warming and air pollution. Gas and oil are increasingly in short supply and rising cost. Generating costs for wind now are competitive with the best gas fired power plants. Wind is not the "silver bullet" solution, but it is one of a diverse set of energy resources. It won't run out, be interrupted by unrest, rise in cost or add to global warming. While Searsburg may be a small drop in the bucket, it has shown the way successfully. It has been very rewarding to be an educational part of the endeavor.

Walton G. Congdon, W1ZPB; ARRL, QCWA

WIND TURBINE TECHNOLOGY

Each of the eleven Zond Z-40 550 Kw wind turbines at Searsburg has a generating capacity sufficient to supply the electrical needs of almost 200 average homes. The machines are horizontal axis up-wind type with a blade diameter of 132'. The three blade hub is housed in a nacelle 132' above ground atop a tubular 24 sided steel tower made in two 64' sections thirteen feed in diameter at the base, bolted to a concrete foundation three feet thick and 36' square covered by two feet of rock overlay. The nacelle covers and protects the integrated drive train that combines the main shaft, gearbox, and yaw system, and the generator and hydraulic system. Each turbine and its tower components weigh almost 60 tons. The highest tip of a blade is 198' above ground. Each black fiberglass blade weighs 4250 pounds. The blades begin turning in a wind of 8 mph at a fixed speed of 29 rpm. The average site wind speed at the hub level is 17 mph and the machines will generate over 80% of the time. As wind speed increases the electrical output increases to the maximum 550 Kw at 29 mph. At wind speeds above that value the blades furl to dump some of the wind, until at 65 mph the blades are fully furled and the machine shuts down. The turbines can withstand winds up to 150 mph, although in about 20 years of data recording at this site the highest speed ever measured was a micro-burst at 129 mph in July of 1994. The prevailing wind direction is WNW. The anemometer and wind vane atop the nacelles of each machine measure the wind speed and direction. That information is transmitted to the on-board computer at the base of each machine, which in turn controls the blade furl and machine yaw (azimuth motion) to maximize power output while protecting the turbine. The gear box in the nacelle speeds up the 29 rpm of the blades to 1200 rpm at the three phase induction generator which produces electricity at 480 volts AC. This is converted to 12 Kv by the transformer on a pad at the base of the tower. Underground cables from the transformers go along the ridge service road to the overhead collection circuit that runs half a mile down the access road to the substation at the bottom of the hill. At the substation in the control building each turbine computer is connected to the master computer by multi-wire cable to enable the operator to monitor and control each machine if needed. In the switch yard a transformer changes the electricity from 12 Kv to 69 Kv to go down the connection line beside Sleepy Hollow Road 1.5 miles to a tap on the already existing 69 Kv transmission line. ■



Walt Congdon, W1ZPB, Docent for the GMP Corp.

Silent Keys Silent Keys Silent Keys Silent Keys

With great sadness we record the passing of these members

NAME	CALL	MEM. #	L	SK	CITY	ST/PR
ADAMS, GEORGE W	K3MJN	29876		2005	YORK	PA
ANDERSON, RAYMOND V	NR3Q	23624		2005	MECHANICSVILLE	MD
ARBER, KEVIN	W3DAD	26035		2005	SAVAGE	MD
BLUM, MORRIS H	NY3L	21162		2005	ANNAPOLIS	MD
BROWN, W PENDLETON	KJ7KL	11556		2005	PRESCOTT	AZ
BRUEMMER, JOHN W	W5LVE	07220	L	2005	SAN ANTONIO	TX
BURKS, JAMES A	KA5QYV	18543		2005	DALLAS	TX
CALHOUN, CHARLES BILL	K8BAR	15022	L	2005	CONNEAUT	OH
CARTOTTO, EDWARD	W6ZZN	23288		2005	ROSEVILLE	CA
CHAMBERLIN, JACQUES G	W2SL	14541	L	2005	ORISKANY	NY
DALLING, W NORMAN	W3BLN	30383		2005	BOYERTOWN	PA
ERRETT, RAYMOND T	K0EFQ	26053		2005	HARLAN	IA
GEER, HOBART L	W3SN	13473	L	2005	ERIE	PA
HILL, FREDERICK R	W8VAY	08448		2005	DAYTON	OH
HOLMES, CECIL G	W7DOH	06460		2005	BOISE	ID
HUFFMAN, J GREGORY	KG5GM	14871		2005	ALBUQUERQUE	NM
JENDRASZKIEWICZ, LEO	N9QX	15782	L	2005	CROWN POINT	IN
JONES, WILBUR C JR	W5GXM	27735		2005	NORMAN	OK
KELLER, HARRY	WB0PDF	31573		2005	GRAND ISLAND	NE
KELLY, WILLIAM D	K2ZTQ	11367	L	2005	PUNTA GORDA	FL
KIRBY, DAN M JR	K5AIR	31629	L	2005	STOCKTON	MO
MARKOVIC, NICKOLAS S	WA8LOB	29465		2005	MAYFIELD HEIGHTS	OH
MARTIN, FRANCIS R	KC5KW	31135		2005	ALBUQUERQUE	NM
MC CUTCHEON, GEORGE	N4CYG	06211	L	2005	WAPPINGERS FALLS	NY
MILTON, VERN A	W6EPW	13610		2005	SAN DIEGO	CA
MITCHELL, BRIAN CHARLES	W1OF	24926		2005	MERRIMACK	NH
MITCHELL, OLIVER L	W0PVM	15458	L	2005	DENVER	CO
MITCHELL, W MURRAY	W1AR	03389		2005	ROCKY FACE	GA
MOFFETT, DONALD W	K1IZS	08247	L	2005	CHRISTIANA	PA
MONRO, NORMAN MERRITT	K4FRY	22005	L	2005	GADSDEN	AL
MURRELL, WILLIAM W JR	AD4DN	28042	L	2005	WILMINGTON	NC
NEWTON, JOHN BENNETT	WA1MHG	28570		2005	FORESTDALE	MA
PETERSON, MERLE B	W7LLS	14108		2005	KETTLE FALLS	WA
PHILLIPS, YORKE P	K1BXE	17083	L	2005	HAMPDEN	MA
RADANT, DELBERT P	N6JZE	26168		2005	TEMECULA	CA
RAY, DICK	W5SNX	29136		2005	STONE MOUNTAIN	GA
REX, SHIRLEY	K8MZT	16926		2005	CANTON	OH
SWAIL, JAMES C	VE3KF	08695	L	2005	OTTAWA	ON
SWIENCICKI, JOHN B	K2KMU	22464		2005	BATH	PA
TAUXE, ROBERT W	W6JTA	03784		2005	SUN CITY WEST	AZ

Chapters On The Air!

NUM NAME	DAY	TIME	NC	FREQ
SO CALIF CW	SUN	1100L	K6CD	7034
FL SSB	SAT	1300Z	W4KOG	3955
QCWA SSB	SUN	2000Z	varies	14347
FL SSB	WED	1500Z	W4NWF	7274
REGIONAL	SUN	0845L	W2AUF	3917
QCWA CW	WED	2000E	VARIES	7035
1 CLEVELAND CH	WED	2000L	W8LYD	146.85 –
2 CHICAGO AREA CH	1stTh	2130L	W9MOL	147.15 +
5 DELAWARE VALLEY CH	SUN	0945L	W2UAE	3917
6 PITTSBURGH CH	SUN	0830L	N3GMI	147.03 +
7 SOUTHERN CA	SUN	1000L	W6ZRZ	147.36 +
7 SOUTHERN CA	SUN	1000L	W6ZRZ	446.24-
7 SOUTHERN CA	SUN	1100L	K6CD	7034
7 SOUTHERN CA	SUN	0900L	W6LPJ	3917
8 UPPER MIDWEST CH	SAT	0800L	W0OFY	3909
9 SOUTHWEST OH	SUN	1330L	K8YDP	3975
10 MICHIGAN CH	SUN	0800L	VARIES	3903
11 NORTHERN CA	SAT	1000L	WB6IMX	146.85 –
11 NORTHERN CA	SUN	0930L	WA6AFT	3907
14 SAN DIEGO CH	WED	2000L	VARIES	146.640 –
16 ARIZONA CH	SUN	0600L	W7ER	3890
17 ALLENTOWN-BETHLEHEM	SUN	1200L	W3GOS	3990
19 MISSOURI CH	WED	1900L	W9VHL	147.15+
20 BALTIMORE CH	MON	2100L	W3EE	147.285+
21 CANTON OH CH	THU	1930L	VARIES	145.11–
25 NEBRASKA CH	SAT	0830L	VARIES	3982
28 CENTRAL NY	SUN	1030L	K2MFB	3917
29 FINGER LAKES CH	SUN	1230L	W2BCH	3900
31 READING,PA CH	MON	2100L	VARIES	146.91 –
32 GATOR CH	SAT	0900L	VARIES	145.29 –
33 GUNDERSON PENN-JRSEY	DAILY	2000L	W3APE	3987
33 GUNDERSON-PENN-JRSEY	DLY	1000L	W3APE	14263
35 MIDCONTINENT CH	THU	2030L	K0YML	146.97 –
37 HARRISBURG CH	WED	2100L	K3IUY	147.12 +
38 SAN ANTONIO CH	SUN	2030L	W5HRF	146.94 –
41 DALLAS CH	SUN	0715L	VARIES	3835
45 CITRUS CH	TUE	1930L	VARIES	147.195 +
46 FOUNDER'S CH	SUN	0815L	W2NBTW	3917
49 PEACH STATE CH	SAT	0900E	K4VN	3857.5
49 PEACH STATE CH	WED	2000L	K4VN	145.41 –
51 TEX-LA GOLDEN TRI	MON	1830L	W5AL	146.85
55 WI CH	SUN	0830L	WA9UVK	3985
58 CO CH	SUN	0900L	W9KRE	3910
58 CO CH	SUN	0930L	VARIES	146.67-
62 SUWANNEE CH	SAT	0900L	W4PFJ	3940
63 CENTRAL OK CH	SUN	0800L	W5AS	3855
63 CENTRAL OK CH	THUR	1900L	W5HXL	145.21 –
64 EL PASO CH	SAT	0830L	W5RO	3933
65 NIAGARA FRONTIER	SUN	1330L	W2AI	3900
67 AUSTIN CH	SAT	0900L	W5MDL	3920
70 NATIONAL CAPITAL	THUR	2000L	VE3QCW	147.03 +
75 CENTRAL CA COAST	SAT	1000	VARIES	7260
76 BLUE RIDGE CH	SAT	0900L	W4LSK	3942
77 NORTHERN NJ	THU	2000L	W2IET	147.030 +
79 SUNFLOWER CH	WED	2100L	VARIES	146.82 –
81 LONG ISLAND QCWA CH	FRI	2030L	W2TLC	146.745 –
81 LONG ISLAND CH	SUN	1130L	W2TLC	3917
85 ARK-LA-TEX CH	MON	1930L	WA9PZL	146.67 –
89 PALMETTO STATE CH	SAT	0843L	N4RM	3930
89 PALMETTO CH	SUN	1700L	N4RM	3695
91 VIC CLARK CH	SUN	0900L	VARIES	146.79 –
102 DAKOTA CH	SUN	1400Z	VARIES	3889
106 GERMAN CH	MON	1630Z	DL0QCW	3773
106 GERMAN CH	TUE	1730Z	DL1MEB	3576
107 CENTRAL FL	SAT	0900L	W4LHP	7243
107 CENTRAL FL	THUR	1230L	W4LHP	14245
108 BEAVER STATE CH	WED	0800L	W7LVN	3926
109 BATON ROUGE CH	SUN	2000L	VARIES	146.79 –
109 BATON ROUGE CH	SUN	0800L	VARIES	3905
110 KANSAS CH	SAT	0730L	KA0RZ0	3920
111 PALM BEACH CH	TTHSA	1900L	VARIES	146.670 –
112 YANKEE CH	SUN	0830L	W1GCA	3903
114 NORTH TEXAS CH	SAT	0830L	WA5BXH	3933
123 LEE DEFOREST CH	SAT	0730L	VARIES	3940
125 NEBRASKA CH	TUE	0100Z	VARIES	146.94 –
126 PIEDMONT CH	SAT	0845L	VARIES	3935
128 PELICAN CH	SAT	0900L	VARIES	145.29 –
130 INLAND EMPIRE	WED	1930L	W6HV	1896
130 INLAND EMPIRE	SAT	0800L	W6HV	3917
130 INLAND EMPIRE	FRI	1600L	W6HV	3917
134 PINE TREE	SUN	1400L	VARIES	3942
135 MID-MICHIGAN CH	TUE	2000L	VARIES	146.70 –
138 MARCONI CH	TUE	2100L	VARIES	147.045+
140 WYOMING CH	SAT	0800L	AB7BJ	3923
142 NORTHWEST OH	WED	2000L	K8PL	147.27+
146 TWIN STATE CH	SUN	0830L	VARIES	3912
146 TWIN STATE CH	THUR	1900L	VARIES	146.76 –
149 NUTMEG CH	SUN	1030L	W1JC	3923
150 DEL-MAR-VA CH	SUN	0900L	NQ4Q	146.820 –
151 WILD ROSE CH	MON	1900L	VARIES	3747
152 ROYAL PALM CH	MWF	1630L	K4FA	14190
160 UTAH CH	SAT	1100L	VARIES	7272
162 SOUTHEAST WI	THUR	2100L	N9NBC	147.27+
165 YORK COUNTY PA	WED	2100L	W3AXC	147.33+
169 SACRAMENTO VALLEY	M/THU	1730L	VARIES	3947.5
173 GOLDEN TRI CH	TUE	1930L	W9JRY	147.255 +
181 HUDSON VALLEY CH	TUES	2030L	VARIES	147.060 +
181 HUDSON VALLEY	SUN	0815L	VARIES	3917
182 NORTHEAST TN	SUN	2100L	W4CZI	145.110 –
183 PIONEER CH	SUN	0930L	VARIES	3923
191 MONTEREY BAY CH	TUES	1930L	VARIES	146.70 +
194 HAWAII CH	1st S	1500L	KH6B	7088
196 EDISON CH	DAILY	0730L	VARIES	147.345 –
198 MID SIERRA CH	SAT	0700I	VARIES	3908
204 BANKS OF THE WABASH	SAT	1000L	VARIES	145.230
205 EASTERN IN CH	THUR	2000L	VARIES	147.27 +
210 OMAHA CH	TUES	1900L	W0OMA	147.36 +
213 FRESNO CALIFORNIA	4th MON	1930L	VARIES	146.850(-) pl 141.3Hz

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Dues Effective 4/1/96

For Official Use Only

Membership No. _____

Date _____

First Licensed Year _____

Deposit Record _____

New Application? **Renewal?** **Original QCWA No.** _____

I, _____ (Print Name Clearly) , _____ Present Call

having been licensed as an amateur for 25 years or more and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is :

_____
Street Number and Name City State Zip Code

E-Mail Address _____ Telephone Number _____

I will keep QCWA Headquarters advised of changes in my address and/or call sign. My first Amateur license was dated_____and the Call was _____ Other Calls held_____

Date of Birth _____ Birthplace _____

I wish to become affiliated with QCWA Chapter_____

Your Signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans	Members	Family	
QCWA Dues for a one-year period	$20.00		_____
QCWA Dues for a two-year period	$35.00		_____
QCWA Dues for a three-year period	$50.00	$12.00	_____
QCWA Life Membership	$300.00	$90.00	_____
Payable in 3 equal installments of $105.00 each, in a one-year period	$315.00	$105.00 (3 pay of $35.00)	_____
INITIAL REGISTRATION FEE, ALL NEW MEMBERS		**$3.00**	_____

Gold membreship pins available, your call engraved, no year tags. Check fastener.

Tie-tac _____, Screw button_____ , Safety pin _____ $10.00 each _____

Year tag pins: 25, 30, 35, 40, 45, 50, 55, 60, 70, 75 or 80 tie-tac only $15.00 each _____

Total _____

Proposed by _____ Call _____ No. _____ 07/05

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